

Livestock & Feed Trends



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**54th Annual General Meeting (AGM)
&
62nd National Symposium 2021**

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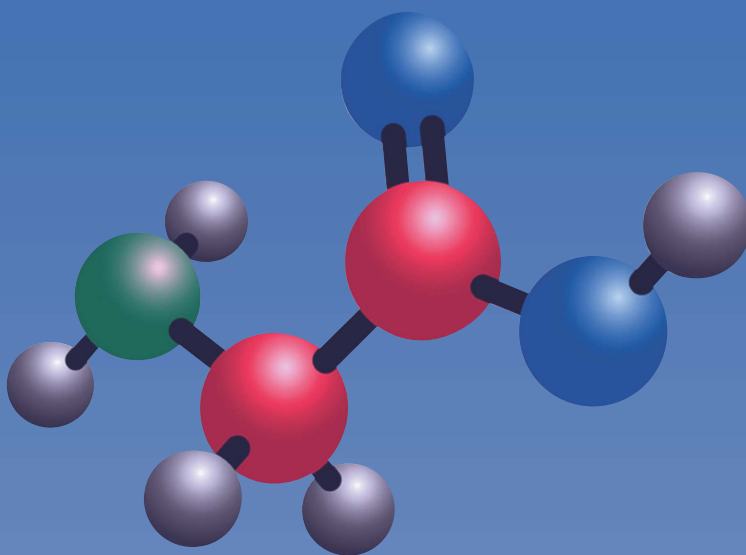


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From the Chairman's Desk.....

Dear Friends,

Greetings!

The second quarter of new Fiscal Year 2021 was a month full of buzz with CLFMA AGM and Symposium where we had several representations, meetings and activities for the upliftment of the livestock sector. CLFMA through quarterly LFT, updates all the activities carried out throughout the quarter. I would like to take this opportunity to brief you on the CLFMA Activities during the past 3 months, which has been presented under the Heading "CLFMA Activities Updates" in this issue for the month of July to September, 2021. You can have a quick look by referring these pages.

CLFMA OF INDIA, the apex organization and the voice of the Livestock Industry conducted its 54th AGM and 62nd National Symposium on 24th and 25th September at Hotel Taj Deccan, Hyderabad with all the safety measures adhered for Covid19 pandemic. A special Symposium Report has been presented under the heading "Symposium Report", which will give you a detailed glimpse of the grand annual event.

The event was graced by the presence of Hon'ble Minister of Fisheries, Animal Husbandry & Dairying, Shri.Parshottam Rupala as a Chief Guest along with various other eminent policymakers and industry leaders' viz. Shri.Talasan Srinivas Yadav, Hon'ble Minister of Animal Husbandry, Dairying and Fisheries, Telangana as a Guest of Honour. Mr. B.B. Patil, Hon'ble Member of Parliament, Lok Sabha, Zahirabad; Dr. Ranjith Reddy, Hon'ble Member of Parliament, Lok Sabha, Telangana; Mr. Vivek Deshpande, CMD of Rudrani infrastructure Ltd. were the special guests. Dr. O.P. Chaudhary, Joint Secretary (NLM/PC), Dept. Animal Husbandry & Dairying delivered the Keynote Address. Mr. Vijay D. Bhandare, Convenor, CLFMA presented the welcome note, followed by the address by Mr.Divya Kumar Gulati, Deputy Chairman, CLFMA. Shri Parshottan Rupala, in his long-awaited speech emphasized upon the importance of the Livestock Sector in doubling the Farmer's Income in accordance with the PM's vision with constraints of limited land holding with small and marginal farmers of India. Chairman Address was given by myself. This was followed by the CLFMA Award Ceremony. CLFMA also had a business meeting with Hon'ble Minister of Fisheries, Animal Husbandry & Dairying, Shri.Parshottam Rupala, Mr. B.B. Patil, Hon'ble Member of Parliament & Dr. O. P. Chaudhary, Joint Secretary (NLM/PC), Dept. Animal Husbandry & Dairying. In the 2nd Day of Symposium, renowned Speakers and Panellists participated and spoke on the theme-based topics that was appreciated by all. CLFMA also had a round table discussion on these topics by involving renowned thought leaders. Valedictory Session was proposed by Shri.S.V.Bhave, Past Chairman, CLFMA OF INDIA followed by Felicitation to all Sponsors, Media, Guests and Invitees. The event ended with a thank you note by Mr. Suresh Deora, Hon. Secretary, CLFMA. The event received an overwhelming



response from the audience and witnessed the presence of more than 300 delegates from various parts of India. Amidst Covid 19 Pandemic, it was a significant participation from the industry to make this event a grand success.

Few of the major activities of during the quarter are CLFMA representation regarding diversion of maize to Biofuels on July 8,2021, CLFMA request letter to The Hon'ble Prime Minister of India, Shri. Narendra Modi, PMO Office on 23rd July, 2021 for URGENT Intervention by Govt. of India to allow DUTY FREE IMPORT of 12 Lakh Metric Tons (MT) Soybean Meal to safeguard Poultry Sector and other Livestock Farmers, Letters presented to other Ministers as well on the subject request for URGENT Intervention by Govt. of India to Allow DUTY with IMPORT of 12 Lakh Metric Tons (MT) Soybean Meal. In addition, CLFMA delegation conducted several meetings and discussions with various key decision makers in government including Shri. Om Prakash Birla, Hon'ble Speaker of Lok Sabha, Shri. Bhupender Yadav, Hon'ble Minister of Environment, Forest and Climate Change Dr. Bhagwat Karad, Hon'ble Minister of State, Ministry of Finance, Dr. Sanjeev Kumar Balyan, Hon'ble Minister of State, Animal Husbandry, Dairying and Fisheries, Shri. B. B. Patil, Member of Parliament, Zahirabad (Lok Sabha) in an effort to solve the soybean meal issues. CLFMA succeeded in its efforts and played an instrumental role in Govt. order of importing 12 lakh MT of crushed and de-oiled GM Soy Cake – NLO. CLFMA extended Special Thanks to the Government of India and welcomed the move of approval of 12 lakh MT of crushed and de-oiled GM Soy Cake – NLO that was intended to help easing the availability of Soymeal to the Poultry Industry and Livestock Industry as a whole & to support livestock farmers. This initiative helped in bringing the Soymeal prices at reasonable levels within the Country.

On CLFMA request to DAH&D and FSSAI for extending the timeline of direction (F.NO95/Std/Misc/SP[L&C/A]/FSSAI-2015-Pt-1 dated 27th January, 2020) vide our letters dated 16.06.2021, which was addressed to Shri. Arun Singhal, CEO FSSAI, Ms. Inoshi Sharma, Director SBCE & FFRC & Shri. Atul Chaturvedi, JS AHD and on 24.06.2021 addressed to Ms. Varsha Joshi, JS CDD, Mr. Rajesh Gupta, Dy. Commissioner DD till 31st December 2021, we are happy to inform you that DAHD vide their letter dated 23.07.2021 to CLFMA of India extended the timeline for compliance of Commercial feed / Feed Material intended for meat and milk producing animals relevant to BIS Standards up to 1st January 2022.

CLFMA also conducted a webinar on 'Maize & Soybean: Market Driving Factors & Price Outlook 2021' in association with AGCON (a subsidiary of NCML) on 9th July, that gave insights on maize and soy price trends. On 28th July 2021, CLFMA of India in Association with Department of Animal Husbandry and Dairying, GOI. conducted the webinar on "Animal Husbandry Infrastructure Development Fund (AHIDF). Dr. S. K. Dutta, Joint Commissioner, DAHD, GOI. gave an Introduction & explained in detail background about AHIDF. I gave an interview on the topic "Current Soybean Price Rise Issue" with Zee Business on 27th July 2021 at 5:30 pm and highlighted the industry's concerns. Its link was updated on all CLFMA's social media platform.

CLFMA along with NCDEX organized Classroom series on Price Risk Management on 21st August 28th August and 4th September 2021 with active participation of CLFMA Members. I extended a vote of thanks during the last session of the classroom series.

We have planned Aqua, Dairy and Poultry Webinars during upcoming months. More details will be available to all members by CLFMA Secretariat from time to time. These webinars shall enable all the members to get updated information on various topics of relevance and shall serve as an opportunity to step up our outreach for interaction with multiple stakeholders including industry Veterans, National level organizations, Government Officials, etc.

I look forward to your continued support and co-operation from time to time and solicit your valuable inputs and suggestions for making our livestock industry profitable, progressive and significant at national and global level.

With Warm Regards,

Yours sincerely,

For CLFMA OF INDIA,



Neeraj Kumar Srivastava
Chairman



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CLFMA Monthly Commodity Updates

30th September, 2021



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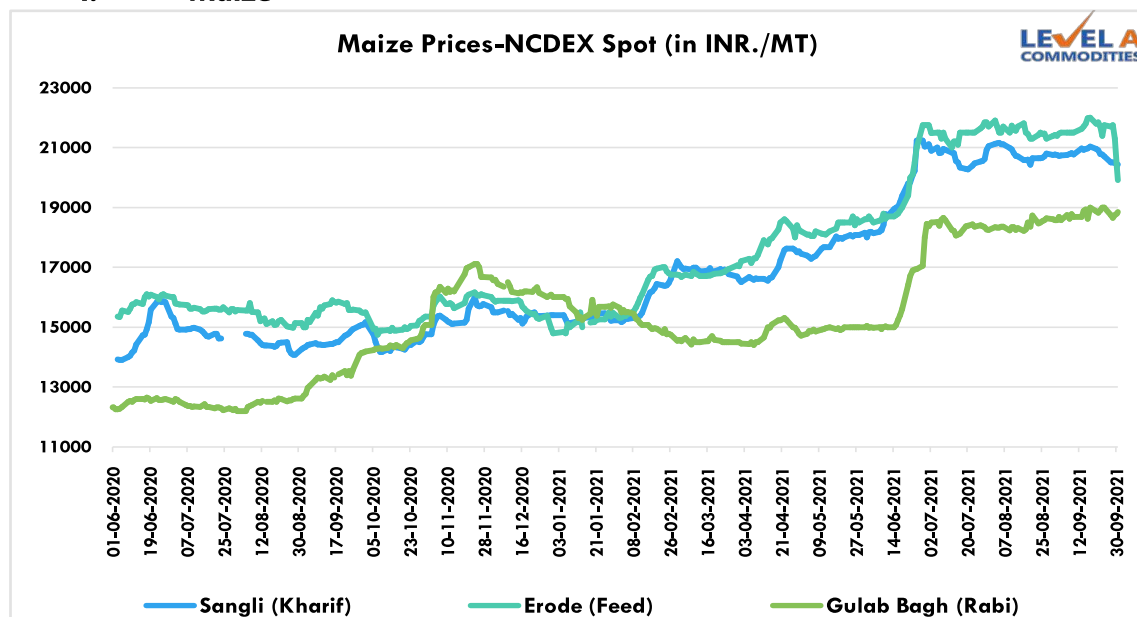
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Domestic Prices

I. Maize



Maize Prices-NCDEX Spot (in INR. /MT)

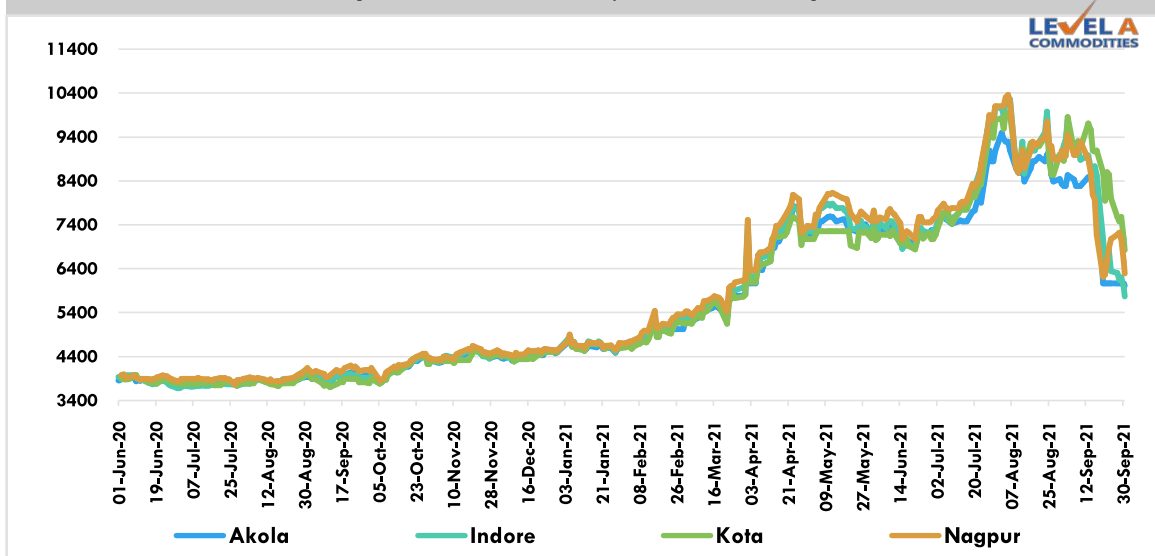
Location	30-Sep-21	31-Aug-21
Sangli (Kharif)	20450	20770
Erode (Feed)	20330	21430
Gulab Bagh (Rabi)	18800	18570

II. Soybean

Soybean Complex Prices-NCDEX Spot

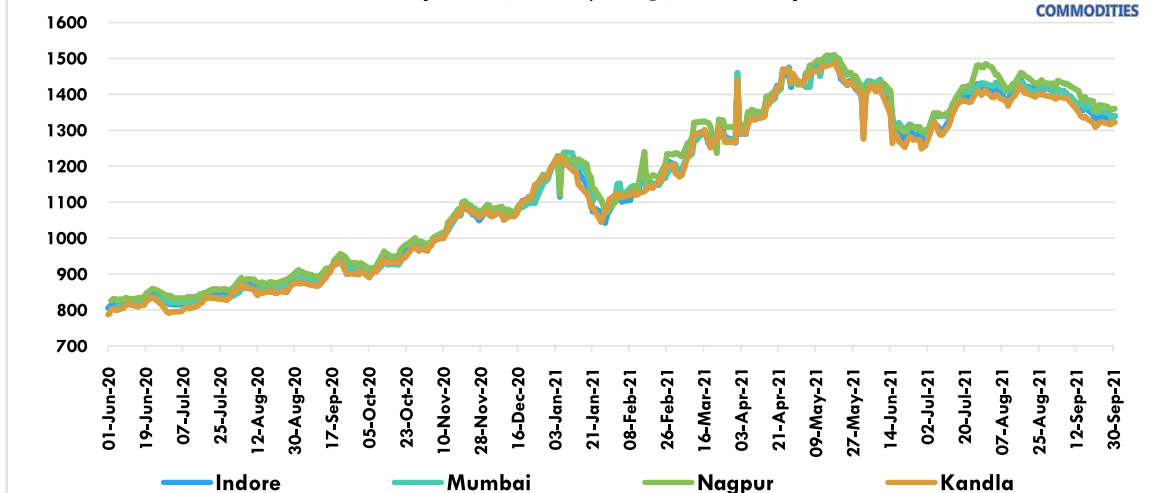
Commodity (Unit)	Location	30-Sep-21	31-Aug-21
Ref Soya Oil (in INR/10kg)	Indore	1,339	1,411
	Kandla	1,323	1,396
	Mumbai	1,337	1,410
	Nagpur	1,360	1,430
Soybean Seed(in INR/Qtl)	Akola	6,060	8,333
	Indore	5,971	9,012
	Kota	7,070	9,004
	Nagpur	6,565	9,090
Soymeal (in INR/MT)	Indore	56,750	81,500

Soybean Seed(in INR/Qtl)-NCDEX Spot

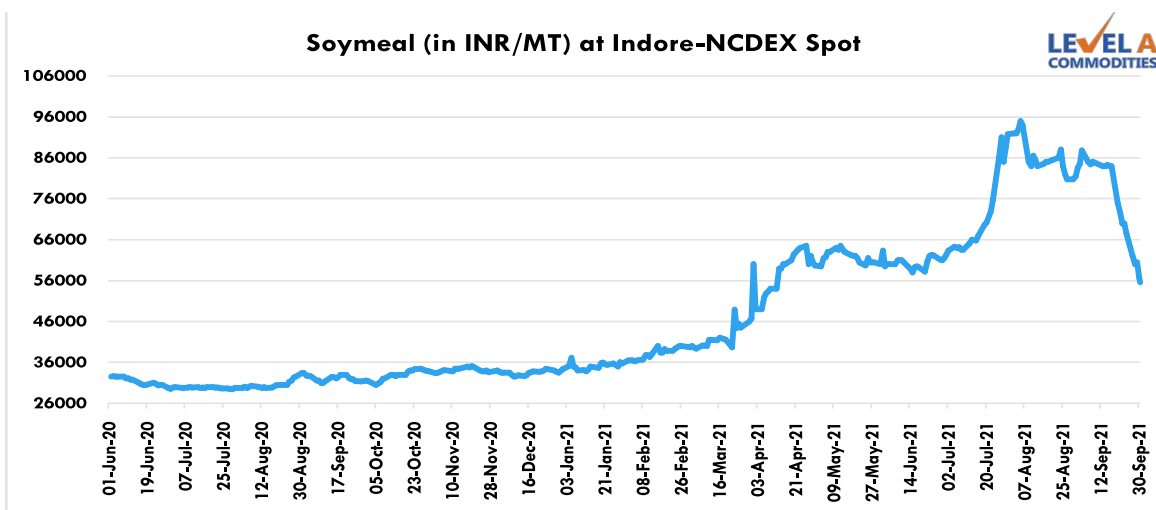


Soy oil

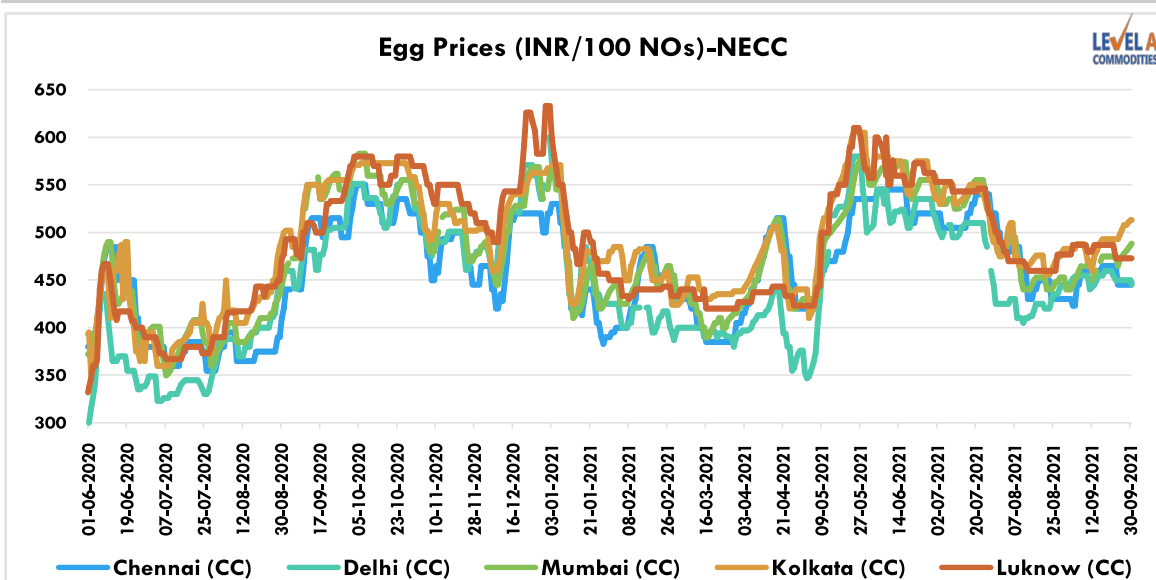
Ref Soya Oil (in INR/10kg)-NCDEX Spot



Soymeal



III. Egg Rates

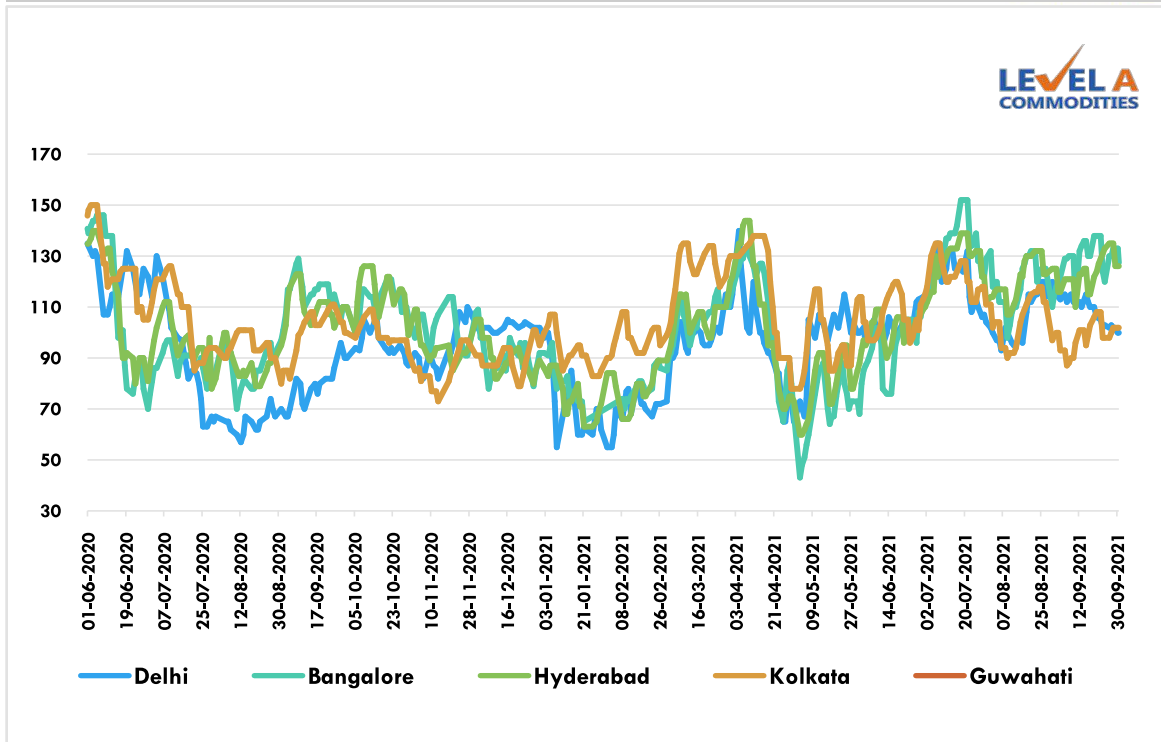


Egg Prices (INR/100 NOs)-NECC

Name Of Zone	30-Sep-21	31-Aug-21
NECC Prices		
Ahmedabad	479	430
Ajmer	422	420
Asansole		
Barwala	430	423
Bengaluru (CC)	460	420
Brahmapur (OD)	453	433

Burdwan (CC)		
Chittoor	438	423
Delhi (CC)	450	445
E.Godavari	446	416
Hyderabad	447	390
Ludhiana	430	425
Midnapur (KOL)		
Mumbai (CC)	487	440
Muzaffarpur (CC)	481	477
Mysuru	460	421
Nagpur	455	-
Namakkal	440	420
Patna	471	471
Pune	485	420
Ranchi (CC)	481	481
Vijayawada	456	416
Vizag	450	416
W.Godavari	446	416
Warangal	449	-
Prevailing Prices		
Allahabad (CC)	467	443
Bhopal	450	420
Hospet	420	380
Indore (CC)	455	-
Jabalpur	452	395
Kanpur (CC)	452	467
Kolkata (CC)	513	483
Luknow (CC)	473	477
Raipur	453	411
Surat	494	440
Varanasi (CC)	480	460

Broilers Rates



Broiler rates (INR/Kg)

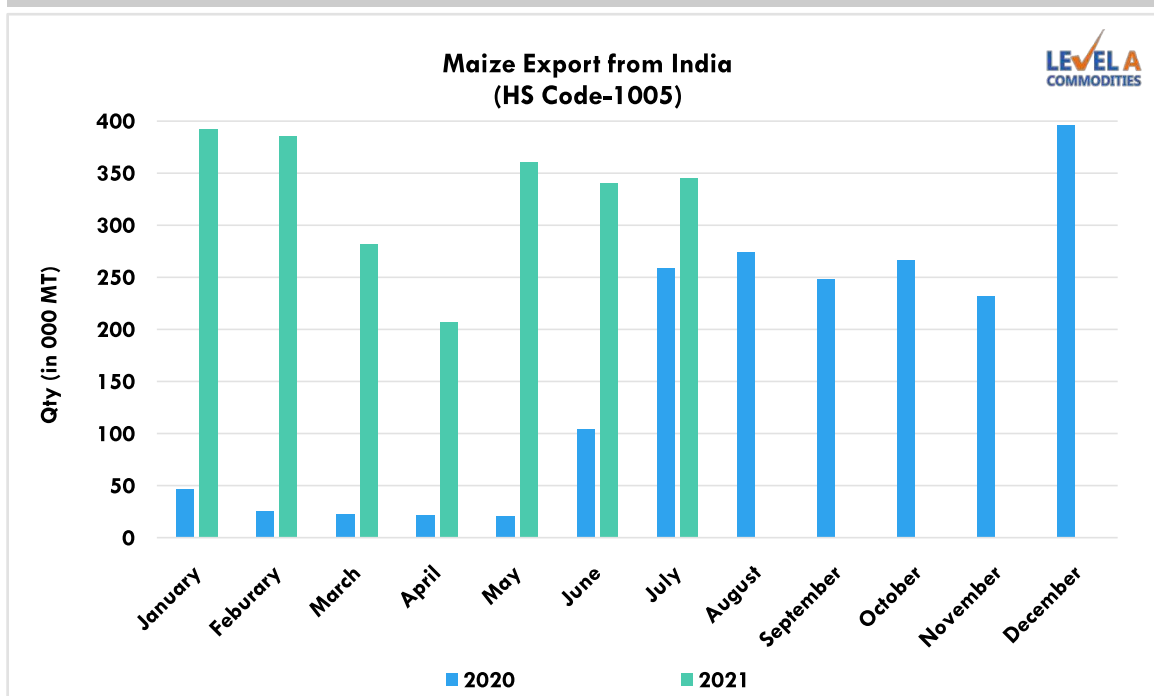
Location	30-Sep-21	31-Aug-21
Delhi	100	-
Punjab	97	112
Raipur	100	95
Pune	127	87
Bangalore	133	115
Hyderabad	126	125
Gujarat	122	96
Kolkata	102	99
Lucknow	92	90
Guwahati	-	-

Chick Price (INR/Unit)

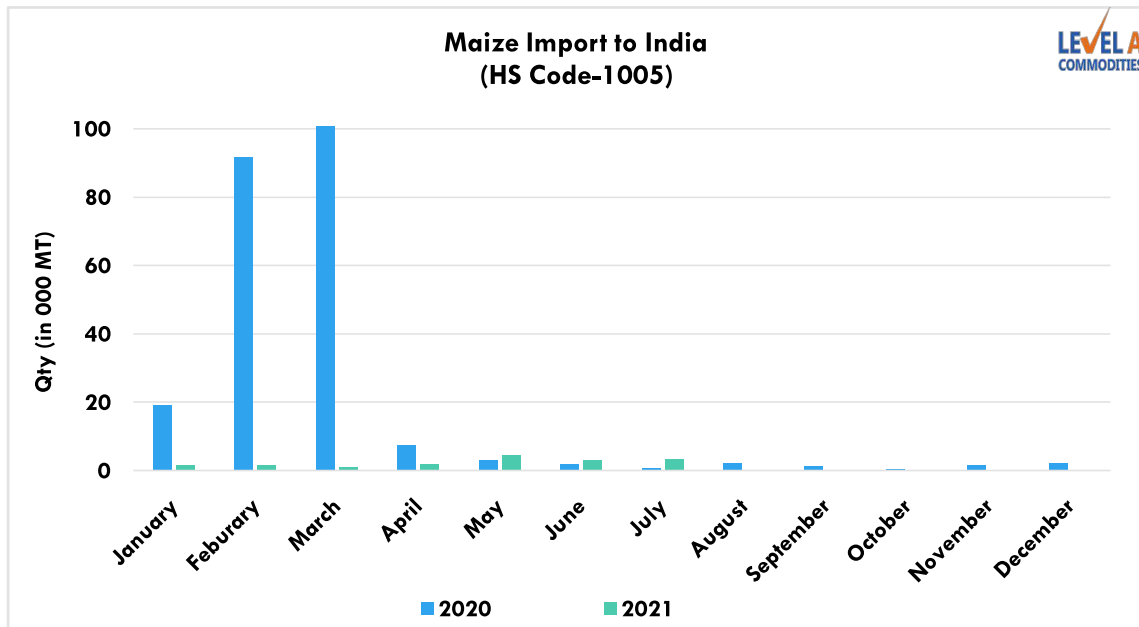
Location	30-Sep-21	31-Aug-21
Punjab	31	28
Chandigarh	30	28
Haryana	30	34
Himachal Pradesh	32	29
Rajasthan	31	35
Jammu & Kashmir	32	29
Uttarakhand	32	29
Uttar Pradesh	30	22
Madhya Pradesh	-	-
Chhattisgarh	-	-
Bihar	28	22
Jharkhand	28	22

Trade Details

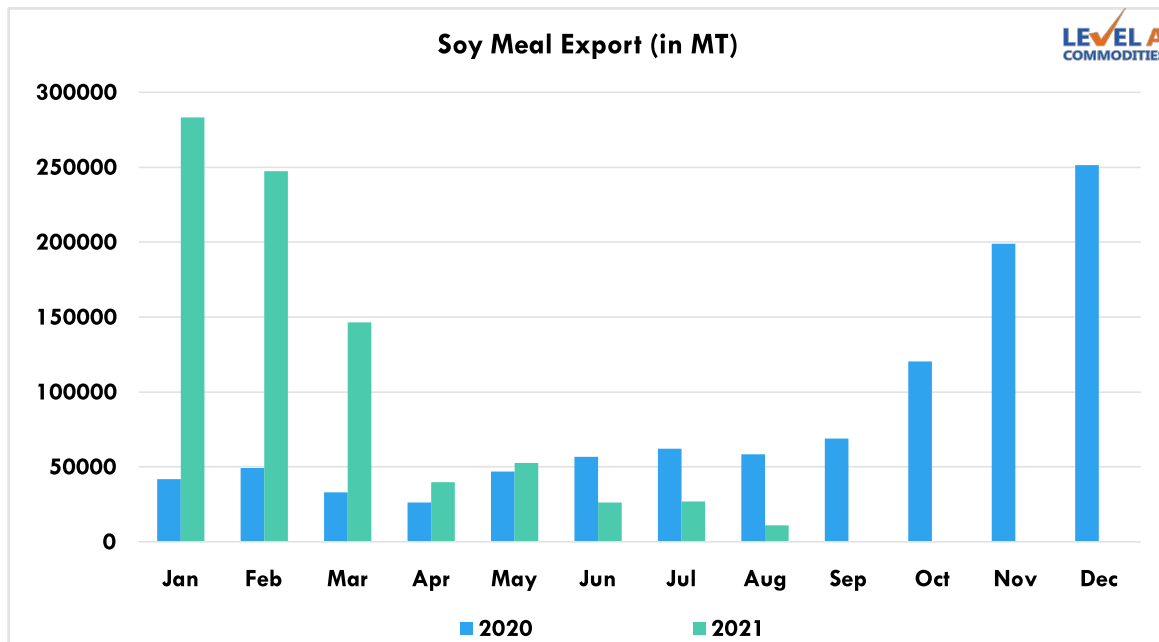
Maize export from India (In 000 MT)



Maize import to India (In 000 MT)



Soy Meal Export from India (In MT)



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Market Drivers

Maize

Market Drivers	Monthly Outlook
Maize cash markets showed steady to narrow range bound trend during the month of September 2021	Bullish
Sowing of Kharif Maize as compared to same period previous year	Bullish
Demand from poultry in India in past weeks	Bullish
Foreign corn production is forecast higher relative to last month, according to USDA	Bullish

Soymeal

Market Drivers	Monthly Outlook
Soybean traded lower on new crop arrival and weak global cues in the month of Sep 2021	Bullish
Sowing of soybean unchanged as compared to last year's level	Bullish
Soybean prices are expected to trade lower with weak bias amid new crop arrival and weak global cues	Bullish
USDA has raised US 2021/22 soybean estimates at 119.03 million tonne	Bullish

Disclaimer: The information contained herein is of a general nature and is not intended to address the circumstances of any particular individual or entity. Although we endeavour to provide accurate and timely information, there can be no guarantee that such information is accurate as of the date it is received or that it will continue to be accurate in the future. No one should act on such information without appropriate professional advice after a thorough examination of the particular situation.

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CLFMA ACTIVITIES UPDATES

Representations by CLFMA:

CLFMA had sent e-press note giving details of the maize situation based on the deliberations for kind observations and requested GOI's intervention to allow import of maize and requested for giving an appointment to discuss the situation. CLFMA sent Joint Letter from Maize end users on 8th July 2021, diverting maize for biofuels which will create imbalance in demand supply & planned for Maize related CLFMA-NCML AGCON Webinar as well.

On July 16th CLFMA wrote email to Ms. Varsha Joshi, JS- CDD, Shri. Dr. Sanjeev Kumar Balyan, Minister of State for AHD&F, Shri. Dr. O. P. Chaudhary, Joint Secretary (NLM/PC), Shri. Sudhanshu Pandey, Addl. Secretary, Dept. of Commerce, Shri. Kowthamraj VS, Young Professional, NITI Aayog, Dr. Sweety Pandey, Young Professional, NITI Aayog, Shri. Dr. P Sakthivel, Senior Manager (Automotive Research), IOCL, Faridabad and brought to their notice that, CLFMA OF INDIA along with other associations had submitted a representation on July 8, 2021 regarding diversion of maize to Biofuels and would like to seek observations from them regarding the current prevailing Indian situation of shortage of maize stocks for livestock and starch sector.

CLFMA wrote a letter to The Hon'ble Prime Minister of India, Shri. Narendra Damodardas Modi, Prime Minister's Office, New Delhi on 23rd July, 2021 with a subject to Request for URGENT Intervention by Govt. of India to Allow DUTY FREE IMPORT of 12 Lakh Metric Tons (MT) Soybean Meal to safeguard Poultry Sector and other Livestock Farmers and Livestock Industry as a whole, due to current surge in the Soybean Meal Prices & To restrict/ regulate the Soybean Trade on Commodity Exchanges with immediate effect. So as to safe guard the Poultry, Aqua (Fish & Shrimp), Dairy and other Livestock Farmers.

Also, CLFMA wrote a Letter to Dr Bhagwat Kishanrao Karad, Hon'ble Minister of State, New Delhi & Shri. Piyush Goyal, Minister for Commerce and Industry, Government of India, New Delhi on 27th July, 2021 on the Subject request for

seeking an appointment to discuss on the present soyabean meal issues, which is affecting more than 10 crore livestock farmers.

We are happy to inform you that, on our request we got DO letter from GOI., Dr. O. P. Chaudhary, Joint Secretary (NLM/PC) with a cc to Shri. Amit Yadav, IAS, Director General of Foreign Trade, wherein, he had mentioned that, we got a request for duty free import of 12 lakh ton for the period of April to September 2021. The matter has been discussed in detail under the chairmanship of Secretary AHD, where representatives from Dept of Revenue, Dept of Consumers Affairs and Ministry of Environment and Forest were present. It was decided to request department of Revenue to allow duty free import of 12 MT of De-oiled soya cake (Crushed and non-living organism) at zero duty under TRQ up to Oct'21. The import will happen under the Chapter 23 as Animal Feed Component.

CLFMA has requested DAH&D and FSSAI for extending the timeline of direction (FNO95/Std/Misc/SP[L&C/A]/FSSAI-2015-Pt-1 dated 27th January, 2020) vide our letters dated 16.06.2021, which was addressed to Shri. Arun Singhal, CEO FSSAI, Ms. Inoshi Sharma, Director SBCD & FFRC & Shri. Atul Chaturvedi, JS AHD and on 24.06.2021 addressed to Ms. Varsha Joshi, JS CDD, Mr. Rajesh Gupta, Dy. Commissioner DD till 31st December, 2021 & **we are happy to inform you that DAHD vide their letter dated 23.07.2021 to CLFMA of India extended the timeline for compliance of Commercial feed / Feed Material intended for meat and milk producing animals relevant to BIS Standards upto 1st January 2022.**

In our 3rd Managing Committee Meeting (virtual) held on Wednesday, 26th May 2021 for FY 2020-2022. CLFMA declared all its Sub-committee Members including Technical Committee Members and a letter about the same was issued on 20th August, 2021.

CLFMA circulated the DRAFT AMENDMENT TO INDIAN STANDARD IN WIDE CIRCULATION, Document Number: FAD

05 (17958) WC, Title of the document: Poultry feeds - Specification (Fifth Revision) Amendment – 1 Document Type: Amendment to Indian Standard (:) with a Request for comments on Wide Circulation of FAD 05 (17958): Poultry feeds - Specification (Fifth Revision) Amendment received from BIS to CLFMA Poultry Committee for comments, if any.

CLFMA wrote a letter on 27th August 2021 to Shri. Dr. O.P. Chaudhary, Joint Secretary (NLM/PC), Ministry of Fisheries, AH&D, Dept. of AH&D, Krishi Bhavan, New Delhi – 110001, Shri. Diwakar Nath Mishra, Joint Secretary, Department of Commerce, EP Agri Division, Room No. 287, Udyog Bhawan, New Delhi, Shri. Amit Yadav, IAS, Director General of Foreign Trade, Ministry of Commerce, Room No. 8, Udyog Bhawan, H-Wing, Gate No. 2, Maulana Azad Road, New Delhi – 110011 & Shri. R. Ananth, IRS, Deputy Secretary Customs, Ministry of Finance, Central Board of Indirect Taxes & Customs, Department of Revenue, 227-B, North Block, New Delhi, on import of Crushed de oiled Soya Meal and made a special request to allow discharge at Mumbai & Tuticorin Ports. CLFMA extended Special Thanks to the Government of India and welcomed the move of clearance, which was intended to help easing the availability of Soya meal to the Poultry Industry and Livestock Industry as a whole & to support livestock farmers and obviously it would bring the Soya meal prices at reasonable levels within the Country.

Further to that CLFMA thankfully acknowledged the receipt of Notification No. 20. 20/2015-2020 dated 24th August permitting import of 12 Lakh tons of Crushed de oiled Soya Meal (Non-living organism) under ITC HS Codes 23040020 and 23040030. The Notification permitted Vessel / Containers to be off loaded only at Nhava Sheva Port. Hence, CLFMA brought to the notice of GOI. certain facts, pertaining to Nhava Sheva port, which had been overlooked at the time of issuing the Notification i.e. The Nhava Sheva Port only handles Container cargo and looking at the current container scenario worldwide and with freights touching the sky, CLFMA felt that hardly any goods would come to this port in containers as the Nhava Sheva Port has not handled bulk vessels for a very long time and the infrastructure for handling bulk vessels has been totally missing.

Hence, CLFMA suggested the following points that can help receipt of soya meal cargo in our country and serve the object of reining in prices, which were threatening the very existence of the Poultry Industry and driving away many small players out of business.

- To include Mumbai Port Trust also as the Discharge Port as it can handle bulk vessels.
- To cater to Southern part of our Country, allow discharge at Tuticorin port as well, as its close to consumption centres.

CLFMA suggested that Soya meal cargo arrivals can be easily monitor at these ports comfortably by the Government. In any case, as the window of receiving Soya meal in our Country till 31st October is also inadequate, it will be very difficult to achieve even 12 Lakh MT arrival in this short period. Allowing additional ports for import shall highly benefit the industry.

Meetings at Krishi Bhavan:

Myself, Dy. Chairman - Mr. Divya Kumar Gulati, CLFMA Hon. Secretary - Mr. Suresh Deora, CLFMA Zonal President (South) - Mr. Vijay Bhandare, CLFMA MC Member - Dr. Sujit Kulkarni visited Krishi Bhavan for the follow up on Current Soybean Price Rise issue to Krishi Bhavan on 31.07.2021 & 02.08.2021.

Letters presented to Ministers on the subject Request for URGENT Intervention by Govt. of India to Allow DUTY with IMPORT of 12 Lakh Metric Tons (MT) Soybean Meal to safeguard all Livestock Farmers (Dairy Farmers, Fish Farmers) and Livestock Industry as a whole, due to current surge in the Soybean Meal Prices & To restrict/ regulate the Soybean Trade on Commodity Exchanges with immediate effect. So as to safe guard all Livestock Farmers and Livestock Industry as a whole.

CLFMA Team visited to Krishi Bhavan for the follow up on Current Soybean Price Rise issue to Krishi Bhavan on 31.07.2021 & 02.08.2021 and met following Government officials viz. Shri. Om Prakash Birla, Hon'ble Speaker of Lok Sabha, Shri. Bhupender Yadav, Hon'ble Minister of Environment, Forest and Climate Change, Dr. Bhagwat Karad, Hon'ble Minister of State, Ministry of Finance, Dr. Sanjeev Kumar Balyan, Hon'ble Minister of State, Animal Husbandry, Dairying and Fisheries, Shri. Rameshwar Teli, Hon'ble Minister of State – Petroleum, Shri. B. B. Patil, Member of Parliament, Zahirabad (Lok Sabha), Mr. Vivek Deshpande, CMD Rudrani Infrastructure Ltd., Mr. Pankaj Pathak, Member APEDA, Shri. K C. Tyagi (JDU), for the follow up on Current Soybean Price Rise issue on 31.07.2021 & 02.08.2021.



Events Update:**CLFMA Webinar in association with AGCON (a subsidiary of NCML):**

Webinar on Maize & Soybean : Market Driving Factors & Price Outlook 2021 CLFMA OF INDIA, the apex organization and the voice of the Country's dynamic livestock industry in association with AGCON (a subsidiary of NCML) organized Webinar on Maize & Soybean Market Driving Factors; Price Outlook 2021 on July 9, 2021. The main objective of the webinar is to discuss the Maize Production Estimate Rabi'2021 & Soybean & Maize Outlook Kharif'21, Market Driving factors and Price outlook for Maize and Soybean was discussed in detail. The webinar was started by the moderator Dr. Vijay Makhija, Managing Committee Member, CLFMA OF INDIA. Mr. Neeraj Kumar Shrivastava, has delivered the welcome address and initiated the proceedings of the webinar. Some key facts of the Webinar as follows viz. India's Rabi crop of 2021 is down by 9.5% in comparison to last year, India's Kharif area is also expected to be down by 5-10%, which would affect the maize production in Oct 2021 harvest & Prices in Erode are at Rs.22,000 /MT and Bihar at Rs.19,000/MT and are likely to remain high as demand from livestock and poultry sector is coming back and starch sector is also procuring to fulfil demand.



Mr. Nalin Rawal, CEO, NCML AGCON, Mr. Suresh Akkineni, Assistant AVP, Commodity Research, NCML AGCON, Mr. Sreedhar Nandam, Head Research & Consulting, NCML AGCON, Mr. A. Jankiramana, GM, Soya Business, Suguna Foods Pvt. Ltd. Mr. Gaurav Mittal, Head, Central Buying Organization, GAVL., Mr. Sandip Guha, Chief Procurement Officer, Noveltech Group, Mr. Amit Sachdev, Regional Consultant – South Asia (Bangladesh, India, Nepal, Sri Lanka), U S Grains Council, Mr. Jaison John, Team Lead -India at U.S. Soybean Export Council (USSEC) discussed were the Panellists. Mr. Suresh Deora, Secretary, CLFMA OF INDIA extended his warm regards and vote of thanks to all panellists, speakers and participants and concluded the webinar.

CLFMA Webinar in association with GOI:

On 28th July 2021, CLFMA of India in Association with Department of Animal Husbandry and Dairying, GOI conducted the webinar on "Animal Husbandry Infrastructure Development Fund (AHIDF)" from 15:00 hrs/3:00 pm onwards successfully. Dr. S. K. Dutta, Joint Commissioner, DAHD, GOI gave an Introduction & explained in detail background about AHIDF. Mr. Neeraj Kumar Shrivastava, Chairman spoke on the topic CLFMA - Emerging Trend and Prospects of Feed Manufacturing. Dr. Lipi Sairiwal, Asst. Commissioner, DAHD, GOI explained in detail AHIDF Guidelines and Application Process. Question & Answer session came out well very with active participation of the participants and all government officials from Department of Animal Husbandry & Dairying, Govt. of India, who interacted well and gave satisfactory answers to the participants. Closing Remarks & Vote of Thanks delivered by Mr. Suresh Deora, Hon. Secretary of CLFMA. Dr. O. P. Choudhary, Joint Secretary, DAHD, GOI unable to join due to some unavoidable reasons. Almost 150 participants attended the Webinar and utilized this wonderful platform for getting benefit of the AHIDF.



CLFMA Classroom Series in association with NCDEX

CLFMA along with NCDEX organized Classroom Series on Price Risk Management on 21st August, 28th August 2021 & 4th September, 2021 with active participation of CLFMA Members.

Stakeholder Outreach

CLFMA forwarded MAFSU - 9th Research Council meeting Minutes to Dr. R S Masali on 6th July, 2021.

CLFMA ED Chandrika Venkatesh requested for a response on First meeting of the subcommittee for preparation of guidelines of Registration and Certification of Antibiotic-free aquaculture inputs and to recommend penal action on detection of antibiotic residues in farms, hatcheries and aquaculture inputs-Reg on July 16th 2021 from Aqua Committee, on which Dr. Shivaji Dey responded that the draft guidelines seems to have covered all the necessary aspects as per our meeting & don't have any further inputs. Hence, made a request to formalise the draft post receiving acceptance from all stakeholders.

A letter regarding Annual reconfirmation of Bovine Spongiform Encephalopathy (BSE) Status to OIE received from Dr. Insha Mir CONSULTANT (LH), Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Krishi Bhawan, New Delhi circulated to all Dairy Members on July 26, 2021.

Mr. Neeraj Kumar Srivastava, Chairman of CLFMA has given an interview on the topic "Current Soybean Price Rise Issue"

with Zee Business, which was held on 27th July, 2021 at 5:30 pm. Its link updated on all CLFMA's social media platform and circulated to all CLFMA Members.

An Office Memorandum from Dr. Ani Bency Jacob, Animal Nutritionist, Dept. of AH&D, Ministry of Fisheries, AH&D, GOI on Jul 16, 2021 signed by Dr. H. R. Khanna, Jt. Commissioner NLM on the subject proposal by ICAR Society on the National Cattle Feed Security Bill. In that connection, CLFMA circulated letter received from Shri. Dr. Trilochan Mohapatra, Ph.D., Sec. & DG of GOI, Dept. of Agri. Research & Education and ICAR with clarification directives of the below mentioned subject to Shri. Atul Chaturvedi, Secretary, AHD, which has been directed to CLFMA for views & requested CLFMA Dairy Committee members / Dairy Members to kindly respond with the views asap. CLFMA views are requested on the Topic: scope and necessity of introduction of Cattle Feed Security Bill at national level and other details (if the bill is necessary) latest by 30th July 2021.

CLFMA helped one of its Members', whose product Flavophospholipol 4% feed grade imported, though listed in the 5th feed additive approved list, has been held by Chennai ACQS, stating that the approved list has not been submitted by the AHD to the concerned authority (ACQS) by the Drug Controller General. The Approved CLFMA 5th Feed additive list not being shared by AHD & DCGS with Animal Quarantine-ACQS, and hence products imported by our members are getting held up at the ports.

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We strongly believe in sustainable food systems and that the livestock industry can transform itself from within to be a part of the solution. We want to play a key role in this transformation and work at species and country level, with our partners, to provide tangible and actionable solutions to create brighter lives for all.

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95% of choline pool in the animal body is only in the form of phosphatidyl choline - It means, in animal body dietary choline, gets converted in the form of phosphatidyl choline (PC) (Li and Vance, 2008).

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The information provided is to best of our knowledge.

For more details please contact Dr. Amit Sharma on 9673998176

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PERFORMANCE



CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021

CLFMA OF INDIA's 54th AGM 2021:

The Compound Livestock Feed Manufacturers Association of India's (CLFMA OF INDIA) day 1 featured the 54th Annual General Meeting and the inaugural session at Hotel Taj Deccan on 24th September 2021.

The 54th Annual General Meeting (AGM) was held on 24th September, 2021 at Hotel Taj Deccan, Hyderabad under the Chairmanship of Mr. Neeraj Kumar Srivastava. Annual Report for the year 2020-21 was presented to the members by Hon. Secretary Mr. Suresh Deora. Treasurer Mr. Naveen Pasuparthi presented the Audited Statement of Accounts and Audit Report for the year ended on 31st March 2021. It was decided during the meeting that M/s. Naveen Dedhia & Co., Chartered Accountants will continue to be auditors for the year 2021-2022 & Mr. Vijay D. Bhandare from feed sector unanimously elected as Dy. Chairman in the 5th Managing Committee Meeting. Almost 63 Members attended CLFMA's 54th Annual General Meeting.

SYMPOSIUM REPORT

CLFMA OF INDIA's 62nd National Symposium 2021:

The Compound Livestock Feed Manufacturers Association of India (CLFMA) conducted its 54th Annual General Meeting & 62nd National Symposium in Hyderabad on 24th and 25th September 2021 at Hotel Taj Deccan. The theme of the event was '**Feeding The Growing Livestock Population: Current And Future Challenges**' that was very relevant topic considering the recent surge in prices of soymeal which is an important component of the animal feed.

CLFMA OF INDIA was actively involved in representing the aforesaid issues with several government bodies for solving the **soybean price rise** issue since long back. CLFMA delegation conducted multiple meetings and discussions with various government ministers and was able to import 12 Lakh MT of Crushed and de-oiled GM Soy Cake – NLO. Hence, with the above perspective CLFMA OF INDIA decided to choose the theme of the National Symposium 2021 around this topic and deliberated on the same in the Symposium.

The event was graced by the presence of Hon'ble Minister of Fisheries, Animal Husbandry & Dairying, Shri. Parshottam

Rupala as a Chief Guest along with various other eminent policymakers and industry leaders' viz. Shri. Talasani Srinivas Yadav, Hon'ble Minister of Animal Husbandry, Dairying and Fisheries, Telangana as a Guest of Honour. Shri. B.B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zahirabad, Dr. Ranjith Reddy Gaddam, MP Lok Sabha (Lok Sabha), Telangana, Mr. Vivek Deshpande, CMD of Rudrani infrastructure Ltd. were the special guests & Dr. O.P. Chaudhary, Joint Secretary (NLM/PC), Dept. Animal Husbandry & Dairying delivered the Key Note Address. The event received an overwhelming response from the audience and witnessed the presence of more than 300 delegates from various parts of India.

The inaugural event started with the lamp lighting ceremony.

Opening the event, Mr. Vijay D. Bhandare, Convenor, CLFMA presented the welcome note, followed by the address by Mr. Divya Kumar Gulati, Deputy Chairman, CLFMA. Both the presenters thanked the policymakers for allowing the import of Soybean meal when the industry was facing a crisis of increased production cost. Afterwards the Guest of Honour, Hon'ble Minister Of Animal Husbandry, Dairying And Fisheries, Telangana; Shri Talasani Srinivas Yadav addressed the audience and said that livestock sector plays an important role in the state's economy and improvement in production can only happen with proper supply of nutrients from animal feed. He assured the industry for all possible government's support for benefiting the livestock producers. This was followed by CLFMA Chairman's Mr. Neeraj Kumar Srivastava's speech; he spoke about increasing human population and importance of livestock products in meeting protein demand while also highlighting the need of protecting the environment. Mr. Vivek Deshpande, CMD of Rudrani Infrastructure Ltd., talked about importance of livestock industry and role of CLFMA in augmenting the industry welfare and livestock sector. Thereafter, Hon'ble Member of Parliament (Lok Sabha), Telangana, Dr. Ranjith Reddy spoke about the challenges specific to poultry farmers and urged the policymakers to give equal importance to the sector as Dairying and Fisheries while making policies. Mr. B.B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zahirabad also spoke about the importance of the livestock industry in augmenting farmer's income. Dr. O.P. Chaudhary, Joint

Secretary, Dept. Animal Husbandry & Dairying said that the government is committed to support the livestock industry including poultry and cited the recent Govt. Permission for soybean meal import at the time of crisis, he also said that there's a provision for poultry entrepreneurs as well in the Animal Husbandry Infrastructure Fund of worth 15,000 Crores INR to boost the poultry production in India.

In his long-awaited speech, Hon'ble Minister of Fisheries, Animal Husbandry & Dairying, Shri. Parshottam Rupala emphasized upon the importance of the livestock sector in doubling the farmer's income in accordance with the PM's vision with constraints of limited land holding with small and marginal farmers of India. He also urged the industry leaders to spread awareness about the importance of nutrition for increasing livestock productivity and invited ideas to make animal fodder from agricultural waste and bring the concept of ready to eat processed feed. He urged all the support to industry and emphasized on the need for contract farming for increasing the bargaining power of small and medium scale farmers for the further development of industry.

Talking about the event, CLFMA Chairman Mr. Neeraj Kumar Srivastava said, "India's livestock industry is growing at a CAGR of 7%. With increasing disposable income, the demand for animal protein is also witnessing a huge growth. The domestic grain production will not be able to keep pace with the growing energy and protein demand for animal feed unless some immediate steps are being taken to increase per acre productivity and total production of grains like maize and soybean. Considering these challenges, we had very fruitful discussions during these 2 days involving the industry and policy makers."

This was followed by the CLFMA Award Ceremony. The famous CLFMA awards were given to five leaders who, had diligently worked and contributed to the development of the livestock sector. The Life Time Achievement awards were presented to Dr. Subhash V. Vaidya, Chairman, Noble VetScience LLP & Mr. Bharat Tandon, Founder / Chairman of Fibroheal Woundcare (P) Ltd. (FWPL) & MD, Healthline Pvt. Ltd. (Sericare Division). CLFMA Awards were presented to Dr.A. Natarajan, MVSc., Ph.D is Prof. & Head, Tamilnadu Veterinary Animal Sciences University, Dr. V. Sridhar, General Manager, National Dairy Development Board (NDDB) & Prof. V. Ramasubba Reddy Retd. Professor (LPM Avian), Agricultural University, Rajendranagar, Hyderabad , Telangana State for their marvellous contribution to the Indian Livestock Sector. CLFMA Chairman congratulated all the CLFMA award winners.

CLFMA also had a meeting with Hon'ble Minister of Fisheries,

Animal Husbandry & Dairying, Shri. Parshottam Rupala, Mr. B.B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zaheerabad & Dr. O. P. Chaudhary, Joint Secretary (NLM/PC), Dept. Animal Husbandry & Dairying, Mr. Neeraj Kumar Srivastava, Chairman, Mr. Divya Kumar Gulati, Dy. Chairman, Mr.Suresh Deora, Hon. Secretary, Mr. P. S. Nandakumar, Past Chairman were on dais. A number of renowned Industry Stakeholders viz. Mr. B. S. Yadav from Godrej Agrovvet Ltd., Mr. Naveen Pasupathy, Treasurer, Dr. Jeetendra Verma from INFAH, Mr. C. Vasanthkumar PF&BA, Mr. Suresh Chitturi, Chairman, International Egg Commission, Mr. Praveen Lunkad, Past Chairman, Dr. P.S. Mahesh, Director (I/C), CPDO, Mr. B. Soundararajan, Past Chairman, Mr. S. V. Bhavé, Past Chairman, Mr. Amit Saraogi, Past Chairman, Mr. Sandeep Karkhanis, CLFMA Member, Mr. Sumit Sureka, Dy. Chairman, Mr.Vijay Bhandare, Dy. Chairman, Mr. C. V. Rao, Past Chairman, Mr. B. S. Rana, Poultry Punch Publications, Dr. Devender Hooda, CLFMA Zonal President - North, Mr.Pawan Kumar Agarwal, CLFMA Member, Shri.Ramesh Chander Khatri, President, PFI & Mr.Ranpal Dhanda, Poultry Federation of India, Dr.Sujit Kulkarni, CLFMA Member, Mr.Abhay Shah, CLFMA Zonal President - West & Mr. Nityam Shah from Spectoms, Mr.Chakradhar Rao, President, IPEMA, Mr. Dinesh Kumar, S. R. Publications & Dr.Sushant Rai, President, KPFBA, Mr. Amit Saraogi, Past Chairman, Mr.Gulrez Alam, IB Group were some of the renowned Industry Stakeholders, who very well interacted with Hon'ble Minister and other Government Officials. Hon'ble Minister listened to all the problems patiently and understood the overall Industry condition. Hon'ble Minister of Fisheries, Animal Husbandry & Dairying, Shri.Parshottam Rupala was the Chief Guest along with various other eminent policymakers and industry leaders, who had a fruitful meeting. Mr.B. S. Yadav, Past Chairman put forth all the problems which, Livestock Industry is facing in front of the hon'ble minister.

Cultural Event and Networking Dinner enjoyed by all participants.

The Second day Symposium started with the Welcome Address by Mr. Neeraj Kumar Srivastava, Chairman CLFMA OF INDIA. The symposium had 3 sessions and a round table discussion.



Ms. Prerana Desai



Mr. Unupom Kausik

The First Session was titled "Demand Supply Outlook of Corn & Soybean". Ms. Prerana Desai, Head of Research, Samunnati Agri, spoke on the topic Have Corn Dynamics

Changed in Recent Years? Mr. Unupom Kausik, President, NCML, spoke on the topic "Market Driving Factors: Soybean & Soybean Meal. Overall speakers spoke about the demand-supply commodity outlook for corn & soymeal - the two most important commodities, that contribute significantly to the compound feed production.



Mr. Balram Singh Yadav

The Second Session was titled "Special Address" which, covered the Sustainability & Future of Online sales of Poultry products by Mr. Balram Singh Yadav, MD of Godrej Agrovet Ltd.



Dr. Lipi Saiirwal

From Government of India Dr. Lipi Saiirwal, Assistant Commissioner AH, Department of Animal Husbandry, Dairying gave the presentation on the AHIDF Fund Central Sector Scheme under the Prime Minister's Atma Nirbhar Bharat Abhiyan stimulus package of INR 15000 Crore in detail. Dr. Gagan Garg, Assistant Commissioner, Department of Animal Husbandry, Dairying & Dr. Sujit K. Dutta, Joint Commissioner NLM, Department of Animal Husbandry, Dairying were present on the dias.



Mr. G. Chandrashekhar



Mr. Mrugank Paranjape

The Third Session touched upon the topic of Strategies for Sustainable Animal Agriculture viz. Contours of Sustainable Animal Feed Market by Mr. G. Chandrashekhar, Economist, Senior Editor, Policy Commentator and Market Linkages: Derivatives, Spot for Animal Feed products by Mr. Mrugank Paranjape, Managing Director & CEO of NCDEX e-Markets Ltd. In this session, the Industry Pain Points were discussed in detail.



Mr. K. V. Kurmanath

We had a round table discussion around the same theme. Dr. Sujit Kulkarni CLFMA Member and Symposium Technical

Committee Member briefed about round table session, which was attended by senior leaders from industry, government officials and ex-government officials. Mr. Divya Kumar Gulati, Dy. Chairman, CLFMA welcomed the moderator Mr. K. V. Kurmanath, Senior Deputy Editor, Business Line. The Round Table Discussion Panelists were Shri. Tarun Shridhar, IAS (Retd.) Former Secretary, Dept of AH&D, Ministry of Fisheries, AH&D, Dr. P. Krishnaiah, IAS, (Retd.), Mr. Balram Singh Yadav, MD, Godrej Agrovet Ltd., Mr. B. Soundararajan, Chairman, Suguna Holdings Pvt. Ltd., Mr. Bahadur Ali, MD, IB Group, Mr. Rahul Kumar, CEO, Lactalis India Ltd.,

Mr. K. V. Kurmanath, Senior Deputy Editor, Business Line thanked CLFMA for involving Business Line as media partner for the symposium.



Mr. B. Soundararajan

Session 4 – Round Table Discussion, Panellist **Mr. B. Soundararajan spoke on the following points:**

1. Current challenges and solutions of the Poultry Sector
2. Poultry Sector growth and need for more focus in addressing input viz. Maize and Soya issues.
3. He insisted for the GM Soymeal import to be allowed keeping in view of future demand for animal feed.
4. Updated on the quality of feed and added that the quality of the feed depends on the quality of raw materials
5. He briefed on disease problems & insisted for the need of vaccines.



Shri. Tarun Shridhar

Shri. Tarun Shridhar, IAS (Retd.) updated on the overview of policy level changes. He spoke about the following:

1. Discussed about GM feed and avian influenza and said that, regarding this the facts should be placed in the public domain and the same has to be done by associations like CLFMA.
2. Apart from Financial Incentive and Financial

infusion, there should be policy infusion as well. With regard to this, he gave the example of the vannamei, changing the entire dynamics of the shrimp industry and said that, the government has not given a single subsidy, but was backed up with better policy, which made this ecosystem to flourish.

3. He advised to talk in terms of value for thinking like a global leader in every aspect.



Mr. Bahadur Ali

Mr. Bahadur Ali, MD, IB Group gave the broad views of the poultry sector and discussed about the key challenges in the Poultry Sector. The following points were made:

1. To streamline the poultry sector data and bring the problems faced by the poultry sector to the govt. notice
2. Government is supporting us very well.
3. We need to tell them our problems properly with proper data in hand.
4. To insist the need of vaccination and take Government support with regard to the same.



Dr. P. Krishnaiah

Panellist Dr. P. Krishnaiah, IAS, Retd. updated on the Fishery Sector and the highlights as given below:

1. Earlier Fishery Sector, though it was a part of agriculture, there was no government department as a Fishery as such.
2. Recently GOI. separately created a Ministry including AHD&F and also a separate department for fisheries.
3. India was producing Black tiger called monodon, subsequently monodon culture was wiped out due to virus not only in the India but also in the whole world.
4. Luckily thanks to technologies a new species called as American wild shrimp that has been introduced after lot of debate and discussion at that point of time Shri. Tarun Shridhar was there in the department.
5. He proactively supported, it's a liberalization from

the pilot stage to the expansion.

6. Thanks to that single decision today due to that India is able to export about Rs.66000 crores, of course sea caught fish and cultivated fish a part of it and major part of export due to Vannamei.
7. He insisted for a need of additional Research on the diseases in Fish & the technologies to be provided to support the research
8. Additional Research for addressing the fish & Shrimp diseases and the technology to support the fishery industry. Luckily, we are having huge coastal areas, huge potential for promoting aquaculture & aquaculture caters to the rural employment, It is scattered all over India, particularly coastal belt including inland areas. And the wonderful opportunities we have is cage farming.
9. Like Telangana state have created lot of new water bodies.
10. Cage culture can yield huge quantities of fish.



Mr. Rahul Kumar

Mr. Rahul Kumar, CEO, Lactalis India Ltd. gave the overview of Dairy Sector.

1. We have not used technologies; we have no technologies to monitor our artificial insemination inefficiency.
2. IT has to intervene into the Dairy viz Introduction of cloud data, block chain technology, improvement in breeding techniques, technology for semen preservation, etc.
3. Use of satellite technologies for finding out the fodder area availability and fodder requirement, amount of water availability, etc.



Mr. B. S. Yadav

Mr. B. S. Yadav, MD, Godrej Agrovet updated the audience on the following:

1. If you get GM in the Country, you will have 20% of Productivity.

2. He said that the poultry sector generated rural employment and is not a small sector and added that the income cannot be doubled in agriculture sector without livestock as in this sector the cash flow for the farmer is forever, and we do not use any fertile land. We have poultry farms on the rocky land as well and there is so much waste land that also can be used.
3. To give importance to nutritional security rather than food security and by this protein will become very important, thus will make poultry sector a center stage.
4. Privatization of dairy sector like poultry sector.
5. We should have the depository of knowledge and information to present the case in good manner with scientific data and lot of knowledge to the government
6. Industry is profitable most of the companies are rich enough. We can generate financial resources. But the things lie with us how we present the case with the government depend on the policy state and central level and let us stop looking at other.
7. Start looking at ourselves within an Industry and try to improve the things.

This was followed by Question-and-Answer session. There was a good interaction of panellists with the Audience. Panellists gave, satisfactory answers to all the queries raised by the audience during the last session "Round Table Discussion".

Valedictory Session was proposed by Shri.S. V. Bhawe, Past Chairman, CLFMA OF INDIA followed by Felicitation to all Sponsors, Media, Guests and Invitees.

The event ended with a thank you note by Mr. Suresh Deora, Hon. Secretary, CLFMA. He thanked the speakers, industry leaders, policymakers and delegates for their overwhelming response and making the event a huge success.

Cultural Event and Networking Dinner was enjoyed by all participants.

Overall, CLFMA interacted with various stakeholders in the industry and government on policy making related to the livestock sector. The association has diverse membership from across the animal protein value chain including feed manufacturing; poultry, dairy and aquaculture business; animal nutrition and health, veterinary services, machinery and equipment; processing, distribution and retailing of meat.

62nd National Symposium 2021

at
Hotel Taj Deccan,
Road No.1, Banjara Hills,
Hyderabad - 500034, Telangana



Registration of Delegates



Registration of Delegates



L-R Mr. B. Soundararajan-Past Chairman,
Mr. B. S. Yadav- Past Chairman, Mr. Amit Saraogi- Past Chairman,
Mr. Neeraj Kumar Srivastava - Chairman CLFMA OF INDIA



L-R Mr. Neeraj Kumar Srivastava-Chairman CLFMA OF INDIA,
Mr. Bharat Tandon - Past Chairman, Mr. Divya Kumar Gulati -Dy. Chairman,
Mr. S.V. Bhave - Past Chairman, Mr. Sumit Sureka -Dy. Chairman



Ms. Chandrika Venkatesh Welcoming
all Office Bearers on the dias for AGM - ED conducted 54th AGM



CLFMA 54th AGM – Office Bearers' on dias



Chairman Address by Mr. Neeraj Kumar Srivastava, Chairman



Minutes of the EGM & Annual Report approval –
Mr. Suresh Deora, Hon. Secretary



Audit Report and Audited Statement of Accounts by
Mr. Naveen Pasupathy, Treasurer



CA Rohan Dedhia, Auditor at 54th AGM introduction



L-R Mr. Amit Saraogi, Mr. B. Soundararajan,
Mr. B. S. Yadav, Past Chairman at 54th AGM



Mr. Neeraj Kumar Srivastava & Mr. Sumit Sureka, Dy. Chairman
at 54th AGM



Mr. Neeraj Kumar Srivastava, Chairman requesting
for the suggestion on Roadmap of CLFMA



54th AGM Audience



54th AGM Audience



Interaction during 54th AGM, Mr. P. S. Nandakumar, Past Chairman



Interaction during 54th AGM, Mr. Praveen Lunkad, Past Chairman



L-R Mr. Suresh Deora, Dr. O. P. Chaudhary, Shri. B. B. Patil, Shri. Parshottam Rupala, Mr. Neeraj Kumar Srivastava, Mr. Divya Kumar Gulati



Mr. Neeraj Kumar Srivastava at Industrial stakeholders Meeting



Meeting of Industry Stakeholders with Hon'ble Minister Mr. Parshottam Rupala and other Govt. Officials



Meeting of Industry Stakeholders with Hon'ble Minister, Shri. Parshottam Rupala & Other Government Officials



Industry Stakeholders Meeting with Hon'ble Minister



Industry Stakeholders Meeting with Hon'ble Minister



L-R Mr. Neeraj Kumar Srivastava, Shri. B. B. Patil, Shri. Parshottam Rupala, Mr. Vijay Bhandare, Mr. Divya Kumar Gulati, Mr. Suresh Deora



Hon'ble Minister Shri. Parshottam Rupala, Chief Guest,
Shri. Talasani Srinivas Yadav, Guest of Honour at Inaugural Session



Hon'ble Minister of Fisheries AH&D Shri. Parshottam Rupala,
Chief Guest at Inaugural Session



Hon'ble Minister AH, DD & Fisheries, Telangana
Shri. Talasani Srinivas Yadav,
Guest of Honour at Inaugural Session



Shri. B. B. Patil, Hon'ble Member of Parliament (Lok Sabha),
Zahirabad Special Invitee at Inaugural Session



Dr. Ranjith Reddy, Hon'ble Member of Parliament (Lok Sabha),
Telangana Special Invitee at Inaugural Session



Dr. O. P. Chaudhary, Joint Secretary, Department of AHD,
Special Invitee at Inaugural Session



Shri. Vivek Deshpande, Ex Trusty of JNPT &
CMD Rudrani Infrastructure Ltd. Special Invitee at Inaugural Session



Mr. Neeraj Kumar Srivastava, Chairman of CLFMA at Inaugural Session

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Mr. Divya Kumar Gulati, Dy. Chairman of CLFMA at Inaugural Session



L-R Mr. Divya Kumar Gulati, Mr. Neeraj Kumar Srivastava, Shri. Vivek Deshpande, Shri. B. B. Patil, Shri. Parshottam Rupala, Shri. Talasani Srinivas Yadav, Dr. Ranjith Reddy, Dr. O.P. Chaudhary, Mr. Vijay Bhandare at Inaugural Session Dias



Mr. P. S. Nandakumar, Past Chairman felicitating Hon'ble Minister of Fisheries, AH&D, Shri. Parshottam Rupala



Mr. Neeraj Kumar Srivastava, Chairman felicitating Hon'ble Minister Fisheries, AH&D Shri. Parshottam Rupala



Mr. B. S. Yadav, Past Chairman felicitating Hon'ble Minister AH, DD & Fisheries, Telangana Shri. Talasani Srinivas Yadav



Mr. Divya Kumar Gulati, Dy. Chairman felicitating Hon'ble Minister AH, DD & Fisheries, Telangana Shri. Talasani Srinivas Yadav



Mr. C. V. Rao, Past Chairman felicitating Shri. B. B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zahirabad



Mr. Sumit Sureka, Dy. Chairman felicitating Shri. B. B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zahirabad

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Mr. Amit Saraogi, Past Chairman felicitating Dr. Ranjith Reddy, Hon'ble Member of Parliament (Lok Sabha), Telangana



Mr. Naveen Kumar Pasuparth, Treasurer felicitating Dr. Ranjith Reddy, Hon'ble Member of Parliament (Lok Sabha), Telangana



Mr. Naveen Kumar Pasuparth, Treasurer felicitating Dr. Ranjith Reddy, Hon'ble Member of Parliament (Lok Sabha), Telangana



Mr. S. V. Bhawe, Immediate Past Chairman felicitating Dr. O. P. Chaudhary, JS (NLM/PC)



L-R Mr. S. V. Bhawe, Dr. O. P. Chaudhary, Mr. Suresh Deora, Mr. Vijay Bhandare



Mr. C. Vasanthkumar, Past Chairman felicitating Shri. Vivek Deshpande, Ex-Trusty of JNPT & CMD Rudrani Infrastructure Ltd.



Mr. C. Vasanthkumar, Past Chairman felicitating Shri. Vivek Deshpande, Ex Trusty of JNPT & CMD Rudrani Infrastructure Ltd along with Mr. Vijay Bhandare



Inauguration & Lighting of Lamp

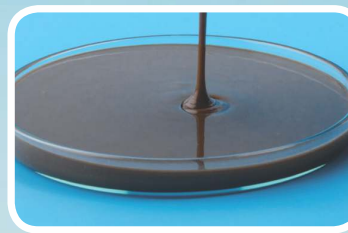
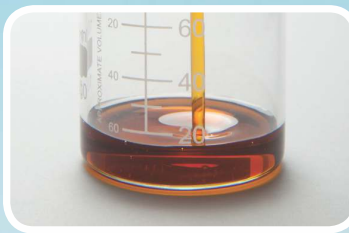
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Mr. Vijay Bhandare, Dy. Chairman – Convenor Address



Symposium Audience



Symposium Audience



Mr. Divya Kumar Gulati, Dy. Chairman address at 62nd Symposium 2021



Audience at 62nd Symposium



Symposium Audience



Symposium Audience

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



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CLFMA Chairman Address by Mr. Neeraj Kumar Srivastava



Past Chairman & Special Invitees



L-R Shri. Parshottam Rupala - Chief Guest, Dr. Ranjith Reddy, MP (Loksabha), Telangana, Dr.O. P. Chaudhary, JS (NLM/PC)



Shri. Vivek Deshpande, CMD Rudrani Infrastructure Ltd., Special Invitee addressing the Symposium



Dr. Ranjith Reddy, Hon'ble MP (Lok Sabha), Telangana, Special Invitee addressing the Symposium



Shri. B.B. Patil, Hon'ble Member of Parliament (Lok Sabha), Zahirabad addressing the Symposium



Dr. O. P. Chaudhary, JS (NLM/PC) delivering Key Note Address

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Special Invitee at 62nd Symposium 2021



Dr. S. V. Vaidya – CLFMA Life Time Achievement Awardee



Hon'ble Minister Shri. Parshottam Rupala felicitating
Dr. S. V. Vaidya, CLFMA Life Time Achievement Awardee



Dr. S. V. Vaidya, CLFMA Life Time Achievement Awardee
along with other dignitaries



Shri. B. B. Patil, Hon'ble MP Zahirabad felicitating
Dr. S. V. Vaidya, CLFMA Life Time Achievement Awardee



CLFMA Life Time Achievement Awardee Dr. S. V. Vaidya



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Dr. Ranjith Reddy, Hon'ble MP Lok Sabha, Telangana felicitating Mr. Bharat Tandon, CLFMA Life Time Achievement Awardee



Mr. B. B. Patil, Hon'ble MP Zahirabad felicitating Mr. Bharat Tandon, CLFMA Life Time Achievement Awardee



CLFMA Life Time Achievement Awardee, Mr. Bharat Tandon



CLFMA Awardee, Dr. A. Natarajan



Hon'ble Minister Shri. Parshottam Rupala felicitating Dr. A. Natarajan – CLFMA Awardee



Shri. B. B. Patil, Hon'ble MP Zahirabad felicitating Dr. A. Natarajan – CLFMA Awardee



CLFMA Awardee, Dr. A. Natarajan



Hon'ble Minister Shri. Parshottam Rupala felicitating Dr. V. Shridhar – CLFMA Awardee

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Dr. Ranjith Reddy, Hon'ble MP (Lok Sabha) Telangana, felicitating, Dr. V. Shridhar – CLFMA Awardee



CLFMA Awardee, Dr. V. Shridhar at 62nd National Symposium



Hon'ble Minister Shri. Parshottam Rupala felicitating Prof. V. Ramasubba Reddy – CLFMA Awardee



Dr. Ranjith Reddy Hon'ble MP (Lok Sabha) Telangana felicitating Prof. V. Ramasubba Reddy – CLFMA Awardee



Shri. B. B. Patil, Hon'ble MP Zahirabad felicitating Prof. V. Ramasubba Reddy – CLFMA Awardee



Prof. V. Ramasubba Reddy, CLFMA Awardee at 62nd National Symposium 2021



Chief Guest Shri. Parshottam Rupala Hon'ble Minister addressing the Symposium



Shri. Parshottam Rupala, Hon'ble Minister Chief Guest Address to Audience

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Vote of Thanks by Mr. Suresh Deora, Hon. Secretary



CLFMA Awardee Dr. S. V. Vaidya & Prof. V. Ramasubba Reddy with their families



Cultural Programme



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Dr. Sujit Kulkarni, CLFMA Symposium Organization Committee Member

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



Chairman Mr. Neeraj Kumar Srivastava felicitating
Shri. Pankaj Kumar Pathak, Member APEDA



Mr. Amit Saraogi, Past Chairman felicitating
Shri. Pankaj Kumar Pathak, Member APEDA



Mr. Neeraj Kumar Srivastava Chairman felicitating
Dr. Ajit Ranade, Special Invitee



Mr. Neeraj Kumar Srivastava felicitating
Dr. Ajay Deshpande, Special Invitee



Dr. S. V. Vaidya felicitating PFI Team



Mr. Sandeep Kumar Singh felicitating Dr. M. R. Garg



1st Session Speakers Ms. Prerana Desai & Mr. Unupom Kaushik



Q & A Session – Mr. Sandeep Kumar Singh



Mr. Neeraj Kumar Srivastava felicitating Ms. Prerana Desai



Mr. Naveen Kumar Pasupathy felicitating Mr. Unupom Kaushik



Dr. Devender Hooda - Session Co-ordinator



Mr. B.S.Yadav Speaker of 2nd Session "Special Address"



Mr. B. Soundararajan felicitating Mr. B. S. Yadav



Dr. Lipi Sairiwal & Dr.Gagan Garg – Special Invitee



L-R Mr. Gulrez Alam, Dr. Mrugank Paranjape, Mr. B S Yadav, Mr. Bahadur Ali



Mr. Neeraj Kumar Srivastava felicitating Dr. Sujit K. Dutta, Joint Commissioner – NLM



Mr. Neeraj Kumar Srivastava felicitating Dr. Gagan Garg,
Assistant Commissioner, Dept. of AHD



Mr. Neeraj Kumar Srivastava felicitating Dr. Sushant Rai,
President KPFBA



Mr. Neeraj Kumar Srivastava felicitating Mr. C. Vasanthkumar,
President PF & BA



Mr. Neeraj Kumar Srivastava felicitating Dr. P. S. Mahesh,
JC & Director CPDO & GOI



Mr. Neeraj Kumar Srivastava felicitating Dr. Lipi Saiirwal
Asst. Commissioner AHD



2nd Session Speaker Dr. Lipi Saiirwal Presentation on AHIDF



2nd Session Speaker Dr. Sujit K Dutta Joint Commissioner NLM,
Dept. of AHD



2nd Session Speaker Dr. Gagan Garg, Asstt. Commissioner,
Dept. of AHD

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L-R Dr. Gagan Garg, Asstt. Commissioner, Dept. of AHD, Dr. Sujit K Dutta Joint Commissioner NLM, Dept. of AHD & Dr. Lipi Sairiwal Asst. Commissioner AHD



Mr. S. V. Bhawe, Past Chairman felicitating Dr. Lipi Sairiwal, Asst. Commissioner AHD.



Q & A Session



Mr. Gulrez Alam interacting with the Speakers - Q & A Session



Dr. Sujit K Dutta Joint Commissioner NLM interacting with the Speakers - Q & A Session



Mr. Abhay Shah addressing - 3rd Session Co-ordinator



Mr. Divya Kumar Gulati, Dy Chairman felicitating Mr. G. Chandrashekhar



3rd Session Speaker, Mr. G. Chandrashekhar, Economist, Senior Editor, Policy Commentator



Mr. Neeraj Kumar Srivastava felicitating Mr. Mrugank Paranjape, MD & CEO of NCDEX



3rd Session Speaker Mr. Mrugank Paranjape, MD & CEO of NCDEX



3rd Session Speaker Mr. G. Chandrashekhar, Economist, Senior Editor, Policy Commentator



3rd Session Speaker Mr. Mrugank Paranjape, MD & CEO of NCDEX speaking at the session



Mr. C. V. Rao, Past Chairman CLFMA felicitating Speaker Mr. G. Chandrashekhar Economist, Senior Editor, Policy Commentator



Mr. B. S. Yadav, Past Chairman felicitating Speaker Mr. Mrugank Paranjape, MD & CEO of NCDEX



Mr. Gulrez Alam, Mr. Bahadur Ali & Mr. Neeraj Kumar Srivastava along with the special invitee



Mr. Neeraj Kumar Srivastava felicitating Panelist Mr. B. Soundararajan, 4th Session of Round Table Discussion Panelist



Mr. K. V. Kurmanath, Senior Deputy Editor The Hindu Business Line, Hyderabad, Moderator, 4th Session Round Table Discussion



Past Chairman Mr. S.V. Bhawe felicitating Mr. B. S. Yadav, MD, Godrej Agrovet Ltd., 4th Session Panelist



Mr. B. S. Yadav, MD, Godrej Agrovet Ltd., 4th Session Panelist



Chairman Mr. Neeraj Kumar Srivastava felicitating Mr. Bahadur Ali, MD, IB Group, 4th Session Panelist



Mr. Bahadur Ali, MD, IB Group, 4th Session Panelist for Round Table Discussion



Chairman Mr. Neeraj Kumar Srivastava felicitating Mr. Rahul Kumar, CEO, Lactalis India Ltd., 4th Session Panelist for Round Table Discussion



Mr. Rahul Kumar, CEO, Lactalis India Ltd., 4th Session Panelist for Round Table Discussion



Mr. Divya Kumar Gulati Dy. Chairman Address

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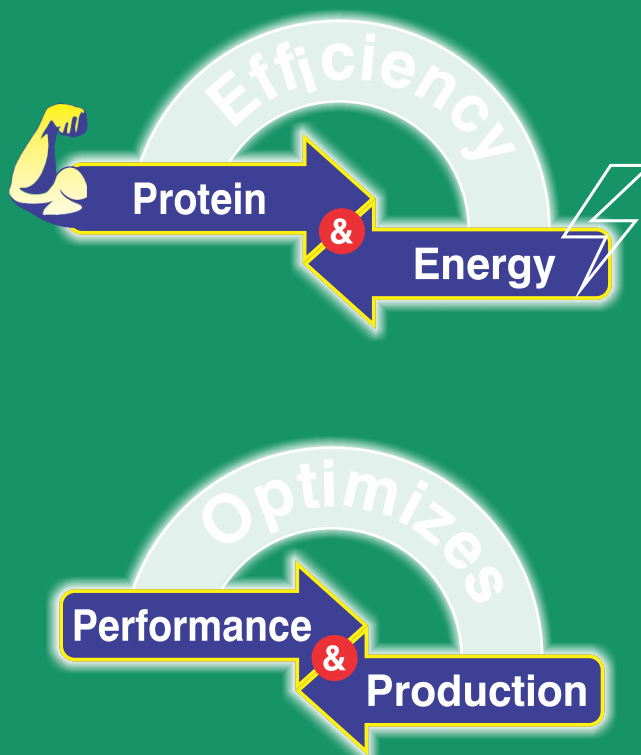
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Mr. Suresh Deora felicitating Shri. Tarun Shridhar, 4th Session Panelist for Round Table Discussion



Shri Tarun Sridhar, 4th Session Panelist for Round Table discussion



Mr. Sumit Sureka Dy. Chairman felicitating Dr. P. Krishnaiah Panelist for Round Table discussion



L. R. Mr. Bahadur Ali, Mr. P. Krishnaiah



Dr. P. Krishnaiah Panelist for Round Table Discussion



4th Session – Round Table discussion Moderator & Panelist on Dias



Mr. K. V. Kurmanath, Moderator, 4th Session for Round Table Discussion



Mr. B. Soundararajan, 4th Session Panelist for Round Table discussion

CLFMA OF INDIA's 54th AGM & 62nd National Symposium 2021



4th Session Panelists on Dias



Shri. Tarun Sridhar, 4th Session Panelist for Round Table discussion



Mr. Tarun Sridhar, 4th Session Panelist for Round Table discussion



Mr. Bahadur Ali, 4th Session Panelist for Round Table discussion



Mr. Rahul Kumar, 4th Session Panelist for Round Table discussion



Mr. B. S. Yadav, 4th Session Panelist for Round Table discussion



4th Session Round Table discussion Q & A session



CLFMA Member Mr. Nitin Mane interacting with 4th Session Panelists

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Mr. M. A. Nazeer Poultry fortune Press interacting with 4th Session Panelists



Mr. Unupom Kaushik, NCML President interacting with 4th Session Panelists



CLFMA Member interacting at 4th Session Round Table Panelists



4th Session Panelists



Dr. Hooda felicitating, 4th Session Panelist Mr. B S Yadav



Mr. Neeraj Kumar Srivastava felicitating Mr. Rahul Kumar, 4th Session Panelist



Mr. Abhay Shah felicitating, 4th Session Panelist Mr. Bahadur Ali



Mr. Vijay Bhandare felicitating, 4th Session Panelist Shri. Tarun Sridhar

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Dr. Sujit Kulkarni felicitating Dr. Krishnaiah, IAS Retd.



Mr. Neeraj Kumar Srivastav felicitating Mr. K. V. Kurmanath



4th Session Panelists



Summation of Symposium CLFMA immediate Past Chairman Mr. S. V. Bhawe



Special Invitees of Symposium 2021



Chairman Mr. Neeraj Kumar Srivastava felicitating Mr. Anil Dhumal, Director of Dhumal Industries



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Dy. Chairman felicitating Tejasvi Publication Mr. B.Shivshankar



Chairman Mr. Neeraj Kumar Srivastava & Mr.Divya Kumar Gulati,
Dy. Chairman felicitating Mr. Rakesh Bharadwaj from Poultry Express



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Dy. Chairman felicitating Mr.Dinesh Arora, S R Publication



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Dy. Chairman felicitating Mr.M N Rao,Poultry Voice



Chairman Mr. Neeraj Kumar Srivastava & Mr.Divya Kumar Gulati,
Dy. Chairman felicitating HyBiz Representative



Chairman Mr. Neeraj Kumar Srivastava appreciating CLFMA
Office Bearers & Symposium Technical Team



Mr. Vijay D Bhandare, Dy. Chairman with Mr.Divya Kumar Gulati,
Dy. Chairman



Dr.Sujit Kulkarni & Mr. Abhay Shah felicitating
Mr. N.S.N. Murthy, Poultry Herald

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CLFMA Office Bearers and Symposium Technical Committee felicitating Ms.Chandrika Venkatesh,ED,CLFMA



CLFMA Office Bearers and Symposium Technical Committee felicitating Ms.Shilpa Utekar, Manager,CLFMA



CLFMA Office Bearers and Symposium Technical Committee felicitating Ms.Shraddha Kadam, Admin Officer, CLFMA



CLFMA Office Bearers and Symposium Technical Committee felicitating Ms.Prerana Deshmukh From Accounts CLFMA



CLFMA Office Bearers and Symposium Technical Committee felicitating Mr.Dhondiraj Rawool Office Boy CLFMA



Chairman Mr. Neeraj Kumar Srivastava & Mr.Divya Kumar Gulati, Dy. Chairman felicitating Mr.S.V.Bhave for summation



Vote of Thanks by Mr.Suresh Deora, Hon.Secretary



Chairman Mr. Neeraj Kumar Srivastava & Mr.Divya Kumar Gulati, Dy. Chairman & Mr.Suresh Deora, Hon.Secretary interview by Hyderabad Press Media

Rumen Microbial Succession from Birth to Adulthood in Cattle

Sonam Dixit^{1*}, Banakar P.S.¹, Anchal Keshri¹, Vinay V.V.¹, Sachin Kumar¹ and A.K. Tyagi^{1,2}

INTRODUCTION

First twelve weeks of life of calf is critical for proper development of rumen, which makes ruminants unique as compared to monogastric animals, and enables them to thrive over coarse roughages. The rumen microbial ecosystem contains a wide variety of micro-organisms including bacteria, protozoa, anaerobic fungi, archaea, bacteriophages and virome; and collectively convert the feed into volatile fatty acids (VFA), ammonia, and microbial crude protein (MCP), which could further supply nutrients for the host. These end-products of rumen fermentation apparently decide the production potential of the animal. Manipulation of the ruminal ecosystem is one of the potential approaches for enhancing rumen fermentation, hence, economic returns. However, the current understanding about establishment of the rumen microbiome and its importance for rumen development remains very limited, which is a barrier to achieve such improvement.

The rumen function and ecosystem stability largely depend on the diversity and complexity of microorganisms. The factors to be taken into consideration to shape the microbial ecosystem of a calf are diet composition, host species/breed, age and genetic superiority etc. From birth to adulthood, the community composition and the numerical abundance keep on changing depending on these factors. Although there are lots of studies regarding effects of roughage concentrate ratio and animal species/breed over the microbial ecosystem, age related succession in ruminal community had been scarce. Some culture based studies have been found in the literature; however, the evolution of next generation sequencing (NGS) techniques have been very helpful to assess the composition of rumen community at various ages of host, right from birth to adulthood.

DEVELOPMENT OF RUMEN IN CALVES

At the time of birth, the calf has underdeveloped rumen, reticulum, and omasum. The only developed part of stomach

of a newborn is abomasum, therefore, are considered functionally monogastric animals before weaning. Neonatal ruminants (does not yet chew the cud; pre-ruminants) undergo physiological changes in the rumen before they can solely depend on fiber-rich diets. The development of the rumen, which facilitates a smooth weaning transition from pre-ruminant to ruminant, has mainly been studied during weaning itself. This process is influenced by the calves diet, the feeding methods, and the microbial colonization. Recently, an increasing number of studies have explored the molecular mechanisms underlying rumen development during the weaning transition as well as the rumen microbiota in pre-ruminants. Rumen microbial colonization begins as early as the first day of life, and the pre-weaning diet alters its composition and the production of VFAs, suggesting the importance and the potentials of pre-weaning feeding interventions to manipulate the early rumen microbiota to alter rumen development. Nevertheless, the mechanisms regulating early rumen development process, especially the role of microbiota, are largely unknown. Newborn calves have non-functional rumen without rumen wall villi, which are essential for nutrient absorption. During initial stages of life, milk is directly carried by an oesophageal groove into the abomasum without entering the rumen. It has been known well that the microbiome in rumen starts to develop around two to three weeks of age in calves, when solid feed is taken. The starter feed, rich in rapidly fermentable carbohydrates

ROUTES OF COLONIZATION IN RUMEN

The gastrointestinal tract of most animals is supposed to be sterile and germ free right after birth; then, microbes from other adult animals and the surrounding environment subsequently colonize the rumen until a very complex and diverse microbial population develops. The pre-weaning stage is a crucial period for the development of GIT and immune system in calves. The consumption of solid food as “starter feed” begins around second to third week of life. The highly palatable starter feed rich in rapidly fermentable

carbohydrates triggers the growth and establishment of rumen microbiota, especially starch-degrading bacteria.

The major factors influencing initial colonization and establishment of microbiota in the rumen has been illustrated through pictorial form (Figure 1). The vaginal, skin and colostrum are the three routes; through which maternal microbiota enters the newborn. Apart from that, the colonization starts when consumption of solid feed starts in young ones. The weaning, done at proper age and with systematic manner also affect the numerical abundance and composition of the ruminal community. Along with that, the early life feeding regimen like consumption of antibiotics and feed supplements are also the deciding factors of ruminal establishments of micro organisms. Antibiotics taken at an early age can reduce/prohibit the establishment of particular bacteria. Likewise, prebiotics/probiotics are given to enhance some of the beneficial consortia and, as a whole, to make a healthy environment of rumen.

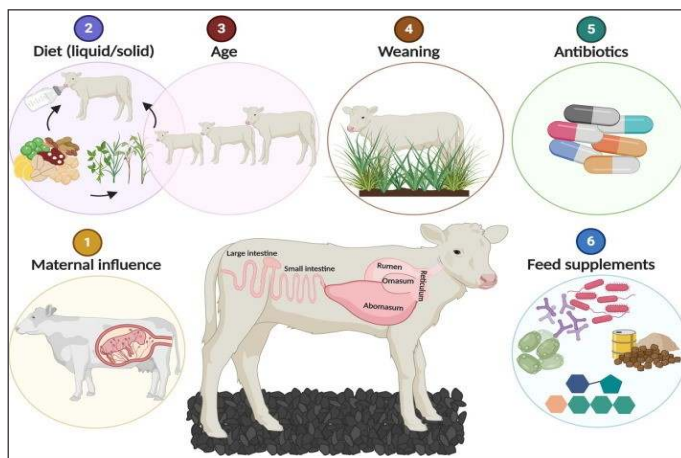


Figure 1: Routes of colonization in rumen
(Picture credit: Amin and Seifert 2021)

Table 1: Microbial succession from birth to weaning age (values are presented in mean percentage)

	Age (days)				
	3	7	14	28	42
Proteobacteria	46.6-70.4	16.9-18.7	6.45-16.9	1.8-27.6	12-27.6
Bacteroidetes	13.9-42.6	56.3-56.9	46-61.3	49.9-56.3	56.3-74
Firmicutes	5.05-13.9	13.9-17.5	13.9-34	13.9-42.1	10-13.9
Actinobacteria	0.05-4.9	0.55-4.9	0.95-4.9	0.25-4.9	4.9
Fusobacteria	4.7-5.55	4.7-5.30	0.2-0.55	0.2-0.3	0.2-0.4
Spirochaetes	0-0.4	0.1-0.4	0.4-2.60	0.4-0.85	0.4
Fibrobacteres	0-0.3	0-0.3	0.2-0.3	0.3-1.45	0.3-1.6
Tenericutes	0	0.80	0.20	0.90	0.95
Elusimicrobia	0	0	0.20	1.45	2.1
Lentisphaerae	0	0	0.15	0.20	0.31

(Ref: Yáñez-Ruiz et al., 2015)

AGE RELATED CHANGES IN RUMEN MICROBIAL ECOSYSTEM

Rumen microbiologists explored the rumen ecosystem at different stages of life of cattle and suggested that the taxa composition and interactions among the microbes determining energy metabolism and methane production, may differ in host populations of different ages. A notable change in bacterial community has been evidenced as per influenced by age of the host, however, archaeal taxa were found relatively stable. In most of the studies, the abundance of *Prevotella*, *Ruminococcus*, *Flavonifractor*, *Succinivibrio* and *Methanobrevibacter* were found to be influenced by age. The genus *Prevotella*, the most abundant one, was found strongly correlated with *Methanobrevibacter* in heifers, however, older cows showed strong correlation with between *Succinivibrio* and *Methanobrevibacter*. Calves exhibited similar microbial families and genera but different OTUs than adults, with a transition to an adult-like microbiota between weaning and 1 year of age. Rumen fermentation activity begins with the addition of solid feed in the diet and concomitantly alters the microbial composition of a calf's GIT. An increase in the abundance of Firmicutes and Proteobacteria and a decrease in the abundance of Bacteroidetes were observed in the rumen microbial community from pre- to post-weaned state. This suggests that alterations of the microbiota for improving downstream milk production may be most effective during, or immediately following, the weaning transition. In addition to nutrition, the GIT microbiota also plays important roles in host development. For example, the native microbiota impacts the immune system by acting as a barrier against invading pathogens as well as promoting the proliferation of immune cells. Moreover, SCOAs are required for rumen

papillae formation, and these compounds are predominately derived by microbial fermentation in the GIT. Such development is critical to the host's success after weaning; however, little is known regarding the acquisition of GIT microorganisms or how differences in these communities may affect development.

Gaps in knowledge and future prospects

The nutritional manipulations of the rumen microbiome to enhance productivity and health are rather limited by the resilience of the ecosystem, once established in the mature rumen. Based on recent studies, it has been suggested that the microbial colonization that occurs soon after birth opens a possibility of manipulation with potential to produce

lasting effects into adult life. The development of the rumen needs to be understood at different levels: anatomical, functional and microbial, as they have different temporal sequences in the young animal and the interplay of anatomical/functional rumen development and microbial development is not yet clear. Therefore, further research is advised to reveal the age related changes in the rumen microbiota, preferably with advanced technology, so that rumen manipulation of the benefits of farmers can be done at early ages to have long lasting effects.

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Occupational Health Hazard in Abattoir & Meat Plants

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INTRODUCTION

Source of danger which causes various kind of health issues among the workers which are working in slaughter house/meat sector.

Basically occupational health is a kind of multidisciplinary activity aimed at the protection of health of workers by preventing and controlling occupational diseases and accidents, and also eliminates the factors, which causes this issues. Occupational diseases are the adverse effects faced by the worker at their workplaces.

Developing countries where work is become increasingly mechanized, some work process have been developed that treat workers as tools in production putting their health and life at risk. As the "Centre for Disease Control & Prevention" stated occupational hazard have continued to rise in past decades, resulting in increasing rate of occupational exposure to blood borne illness and other communicable diseases mostly in developing and transition countries.

Occupational infection mostly contracted by Abattoir workers could be caused by iatrogenic or by transmissible agent including virus bacteria fungi parasites and toxin produced by these organisms.

However where the risk of occupational hazard predominates. Exposure control plan ECP by the employers should be implemented. The ECP could include risk identification, risk characterization, assessments of worker at risk, education/training and implementation of safe work procedures.

Occupational Environment through which we come to know about the situation which is going to faced by the worker and these are based on 3 types of interaction are found in work place:

1. Man & Physical, chemical & Biological agent interaction
2. Man & Machine interaction
3. Man & Man interaction

On the basis of above interaction we come across some commonly found hazards in meat sector and to understand it I just classify into 6 major groups, these are:

1. Physical
2. Chemical
3. Biological
4. Mechanical
5. Ergonomic
6. Psycho-social

Let us have a brief intro about these enlisted hazards :

Physical hazard:

These are the factors present in the workplace which harms the worker while not making a physical contact. Let us understand with the examples.

Noise (unwanted sound), continuous exposure leads to hearing loss, prevent by Sound proofing, Personal Protective Equipment, Vibrations, Radiation which causes UV Radiation cause Arc eyes (conjunctivitis with severe pain leads to corneal ulceration), Hyper-pigmentation.

Prevention keeping sufficient distance/ containment and shielding. Some more examples are tripping, slipping, fall from height, electricity, being struck by falling object.

Chemical hazard:

Workers are exposed to thousands of chemicals which causes various diseases like Dermatitis, respiratory tract Infection , sore nose , sore throat.

Compositionally they may be gas asphyxiant like CO₂, N₂, or may be organic solvents like ether or ketones, heavy metal, pesticides are also there.

Biological hazards:

These are the micro organisms like bacteria, virus, fungus and their products like spores, capsules etc causes diseases like:-

Occupational tuberculosis caused by mycobacterium tuberculosis also known as Koch bacillus which is transmitted by droplet infection.

Brucellosis mostly affected by infected animal and their secretional product

Anthrax by spore of bacillus anthrax infected through skin, malignant pustules

Occupational asthma may be of plant origin/animal origin.

Mechanical Hazard:

These types of hazards are created by powered or manual operated tools, machinery.

Eg. Impact-being hit by ejected parts,friction, abrasion, cut while handling drill machines.

Ergonomic Hazard:

Ergonomics is the understanding between Human-Machine-Environment Relationship, basically it deals mutually with work and their work places to increase efficiency, higher productivity, reduction in work time lost due to illness and injury. Common examples are Muskuloskeletal disorder, repetitive strain injury, repetitive motion injury (Carpal tunnel syndrome), poor body positioning.

Psychosocial hazard:

Due to over work load, work stress, & due to bad/poor culture of people at work place. It affects the mental well being/mental health of the worker by overwhelming individual coping mechanism and impacting the worker ability to work in a healthy and safe manner.

Eg. stress, violence at work, violence from outside of organization, bullying include emotional and verbal abuse.

Let us also discuss that how these hazards will affects the workers working at the sites.

A. Injuries

B. Allergies

C. Zoonosis

INJURIES-

This occurs by chance or we can say suddenly happened activity which leads to harm the worker. Let us understand with examples.

1. Slipping on the floor
2. Cuts with sharp objects
3. Puncture and laceration due to sharp knives

ALLERGIES-

Mainly causes are the animal by products, plant contents, fumes etc. But for having these kind of allergies, we need to know there are some conditions for having this kind of allergies and these are enlisted.

1. Pattern and intensity of exposure
2. Individual susceptibility
3. Skin pigmentation, cuts and abrasion

Eg.

Rhinitis/Asthma/Dermatitis

Farmer's Lung, Bacterial Endotoxin

ZOONOSIS-

As the name suggesting transferring of diseases from animal to human or vice-versa.

Eg.

Animal product Manufacturer=Butcher, Meat Inspector

Slaughter house personnel have diseases like tularia, Anthrax, Tetanus

Let us have understand with a pie diagram

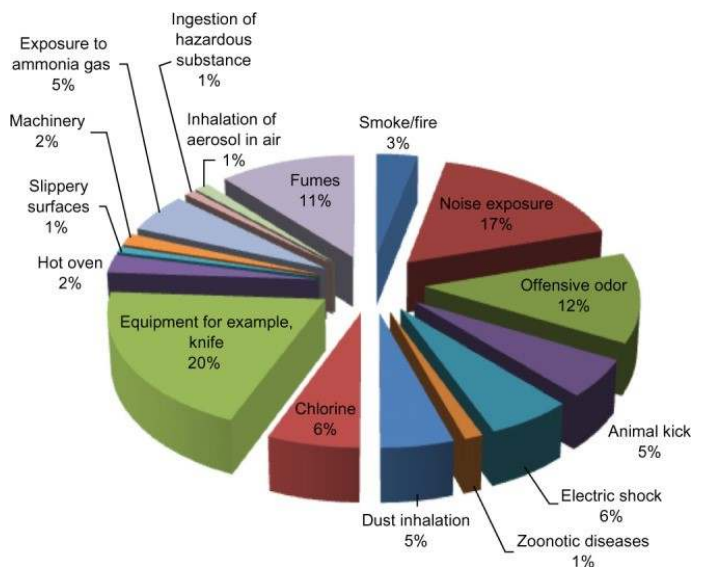


Figure: Occupational hazard identified at workplace.

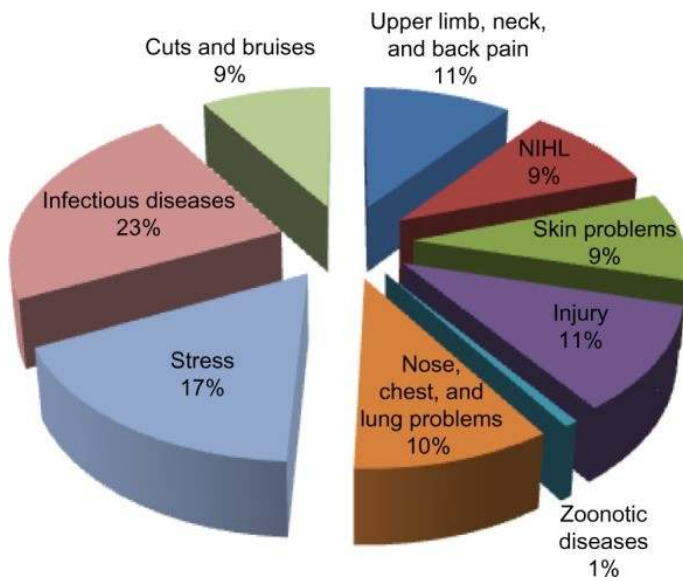


Figure: Occupational health problem among the abattoir workers.

PREVENTION OF OCCUPATIONAL DISEASES

Primary Prevention: It mainly applicable to reduce the risk of disease.

By reducing the magnitude of exposure to hazardous substances.

Accomplished by

1. Change in production process
2. Associated Infrastructure

Eg. immunization, by Personnel Protection Equipment, by worker rotation.

Secondary Prevention: By identifying the health problem before they become clinically apparent, also known as occupational diseases surveillance.

In simple way (Before worker report feeling ill)

Eg. Measurement of blood lead level in workers

Tertiary Prevention: This is accomplished By minimizing the adverse clinician effect on health of a disease or exposure.

Eg. Treatment Of lead poisoning (headache, joint pain, kidney dysfunction) by administration of chelating modification.

Goal limit symptom/discomfort

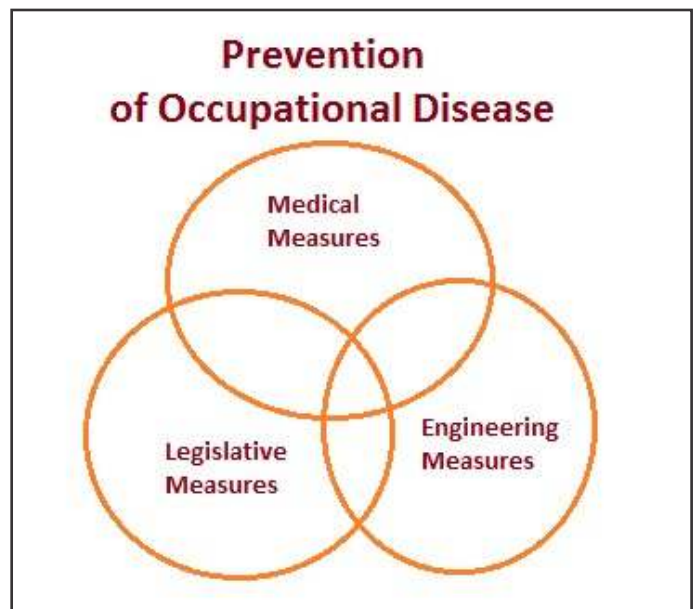
Minimize injury to body

Maximize functional capacity

PREVENTION OF OCCUPATIONAL DISEASES IN MEAT PLANT STUFFS

1. High standard of personal and environment hygiene
2. Education of worker
3. Efficient Ante-Mortem inspection'
4. Proper meat plant construction and layout along with proper ventilation with good staff facility(shower, toilet hand washing used for bactericidal shop) etc.
5. Good first-aid facilities
6. Proper Vaccination of staffs

MEASURES

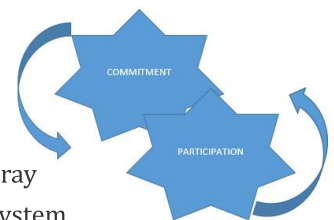


A. Medical measures

1. Pre-Placement Examination
2. Periodical examination
3. Medical health care services
4. Supervision of working environment
5. Health and education counselling
6. Maintenance & analysis of records

B. Engineering Measures

1. Design of building
2. Proper Ventilation
3. Proper Mechanization
4. Dust control by water spray
5. Proper water drainage system
6. Protective gears

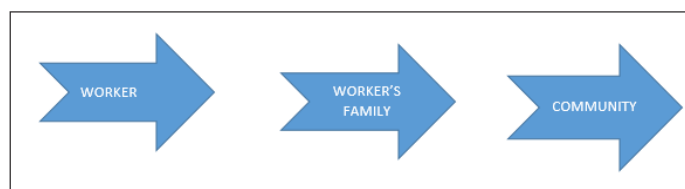


C. Legislative Measures

1. The Factory Act, 1948
2. The Employee State Insurance Act, 1948
3. Noise pollution (Regulation & Control) Rule, 2000
4. Child Labour (prohibition & regulation) Act, 1986
5. Maternity Beneficial Act, 1961
6. Minimum Wages Act

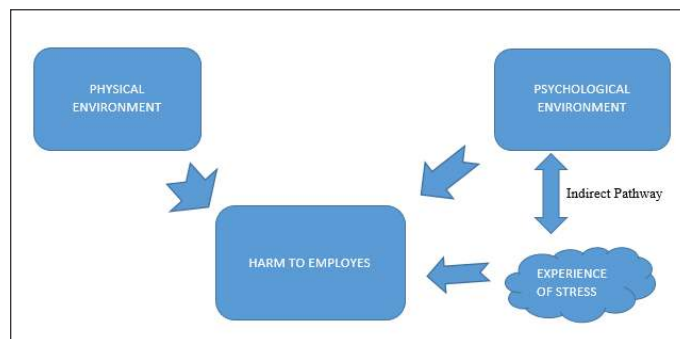
OBJECTIVES OF ORGANIZATION WHICH MUST BE TAKEN INTO CONSIDERATION:

- # Recognize the type of hazard and its example
- # Identify the direct and indirect cost of neglecting safety
- # Appreciate the importance of safety and health of staff in daily life which will also affect the entire community



During my studies I also go through a study published in EU.OHSA2012

In Epidemiological World, nearly one in every 3 worker in Europe (40 million) are affected by work stress.



30-40% worker in European Countries believe that their workplace stress is responsible for their health.

Every year 3-4% of gross national product is losing due to psychological stress of the workers.

CONCLUSION:

1. Standard design and good environmental hygiene must be taken into consideration all the time.
2. There should be proper skill training at regular time interval
3. There should be a committee formed at basic district and block level for the supervision of these operating slaughter houses and meat plants, so they can easily monitor without having a huge burden and convey these standard to their higher authorities which are able to cancel the licenses of those houses which are not maintaining the standard immediately.

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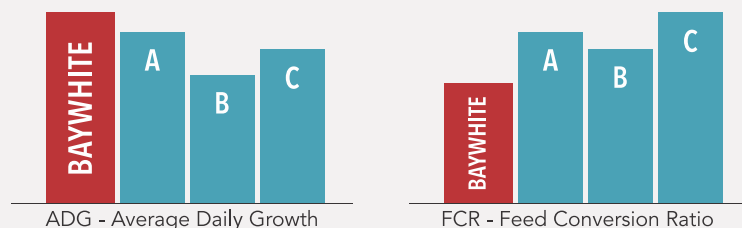


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