



# **NATIONAL SEMINAR ON “SPECIALTY AND MICRONUTRIENT NUTRITION”**



**January 24, 2024  
Hotel Pride Executive  
Shivajinagar, Pune**

Dear Friends,

FAI has been conducting various training programs for the fertilizer industry personnel on the subjects of topical importance. It is proposed to organize a national level seminar on “**Specialty and Micronutrient Nutrition**” at Pune on January 24, 2024.

Specialty and micronutrient fertilizers include an array of products ranging from water soluble fertilizers (WSFs) and liquid fertilizers for foliar and fertigation, controlled release fertilizers (CRFs), slow release fertilizers (SRFs), micronutrient fertilizers, fortified fertilizers, customized fertilizers, nano fertilizers, bio-stimulants, organic and other value added and innovative fertilizers.

The Global Specialty Fertilizers Market Size was valued at USD 24.2 billion in 2022. The market is currently growing at a CAGR of 6.6% from 2022 to 2032. The Worldwide Specialty Fertilizers Market size is expected to reach USD 45.9 billion by 2032. Asia Pacific is expected to grow the fastest during the forecast period.

In view of the above, the program has been specifically designed to address all the stakeholders, be it manufacturers, importers / exporters, distributors, policy makers in order to have in-depth discussion for healthy growth of this important sector. We are confident that the participants will gain valuable insight into the entire value chain of specialty and micronutrient fertilisers and will be better prepared to face the challenges in this sector.

With this background, it is proposed to organize a national seminar on “**Specialty and Micronutrient Nutrition**” on January 24, 2024 at Pune.

We request you to avail this opportunity by nominating officers from your organization. We look forward to your early and favourable response.

Arvind Chaudhary  
Director General

## ABOUT FAI

The Fertiliser Association of India (FAI), set up in 1955, is the national representative body of all fertilizer industry in India comprising membership across public, private, joint and cooperative sectors. It is a non-profit, non-trading organization of fertilizer manufacturers/importers, technologists, plant/equipment manufacturers, research institutes and others interested in fertilizers.

The main objective of FAI is to bring together all concerned with the production, import, marketing and use of fertilizers with a view to promote solution of industry problems, to assist industry in improving its operational efficiency and to promote the balanced fertilization for raising agricultural productivity.

To cater to the need of the officials working in different disciplines of the industry, FAI has been regularly conducting programs in the areas of fertilizer policy, marketing, technology, agriculture, environment, management development, forecasting of fertilizer demand, etc. Realizing the need of the industry, we have planned a national level seminar on “**Specialty and Micronutrient Nutrition**” wherein the experts from the Government, FAI, Agricultural Institutions and the Specialty and Micronutrient fertilizer Industry would be sharing their thoughts & ideas in making the deliberations interesting and meaningful.



## TRAINING APPROACH

The training approach aims at stimulating individual thinking and maximum participation of the officers working or interested to work in the Specialty and Micronutrient fertilizer industry. Emphasis is on participative approach rather than merely lectures so that participants become intimately involved in the learning process.

## BACKGROUND

The growing requirement for high quality crops, environmental concerns, and thrust on improved nutrient use efficiency (NUE) have driven the growth of specialty and micronutrient fertilizers world over. These fertilizers bring additional benefits to growers by way of enhancing nutrient availability,

slowing down bacterial activity, and meeting exact nutrient needs of the crop. The specialty and micronutrient fertilizers are developed through sustained experimentation to suit matrix of soil fertility status, type of crop, and availability of water under specific climatic conditions. The application schedule for these fertilizers is also developed taking into account the crop growth stage and also physical, chemical and biological properties of the soil.

In India's specialty fertilizers, water-soluble fertilizers market accounted for 54.3% of the market share in 2021. Water-soluble fertilizers are mostly used for the application of primary nutrients. About 78.5% of primary nutrients are applied through water-soluble fertilizers whereas secondary and micronutrients are applied to the extent of 5.6% and 3.8% respectively. Liquid fertilizers accounted for 41.9% of India's specialty fertilizers market in 2021. Straight fertilizers accounted for the maximum share of the liquid fertilizer market, accounting for 69.2%. This segment was valued at USD 964.0 million in 2017 and is anticipated to reach USD 1.70 billion by 2028. Complex fertilizers accounted for 30.8% of the liquid fertilizers market in 2021.

The Indian controlled-release fertilizer market has shown a decline in market value even though consumption increased notably by 52.9% during the study period. The main reason for this is the Indian government making it mandatory for all domestic producers of urea to produce 100% neem coated-urea and distribute it at a subsidized price to the farmers. Slow-release fertilizers accounted for 1.7% of the total specialty fertilizer market value in 2021. Field crops and horticultural crops were the major consumers of slow-release fertilizers, accounting for 75.8% and 24.1% of the market volume in 2021. The intensive field crop and horticultural crop cultivation in the country are anticipated to drive the market for slow-release fertilizers.

In India, the market for micronutrient fertilisers was valued at USD 571.6 million in 2022, which is expected to reach to USD 1057.6 million by 2029 registering a CAGR of 9.19%. The Indian biostimulants market size was valued at USD 266.58 million in 2022. The market is expected to grow to USD 734.13 million by 2029, exhibiting a CAGR of 15.57% during the forecast period. Similarly, the organic fertilizer market was valued at USD 541.8 million in 2021 and predicted to increase to USD 1.13 billion by 2032 showing CAGR of 7%.

It must be recognized that the nutrient needs of Indian agriculture are now bigger and more varied. Fertilizers are a costly input and their availability is also limited. These should be used in most efficient manner under fertilizer best management practices developed on the 4R Nutrient Stewardship principles. The use of specialty fertilizers except WSFs remains low. To encourage the production and use of specialty and micronutrient fertilizers, State Governments should develop effective mechanisms to have accurate month- wise information on import, production and sale of specialty and

micronutrient fertilizers. Research institutions should be encouraged to undertake more research and evaluation studies on innovative fertilizer products. Fertilizer industry and research institutions (ICAR & SAUs) should pool their resources in R&D of specialty and micronutrient fertilizers. Fertilizer industry also needs to adopt a different marketing approach for new innovative fertilizer products. The marketers have to shift their focus from 'selling product' to 'selling crop nutrition solutions'.

### **TOPICS TO BE COVERED**

1. Specialty and Micronutrient Fertilizers in FCO – Recent Amendments
2. WSF and Liquid Fertilizers – The Way Forward
3. Foliar and Fertigation – Way to Improve Water & Nutrient Use Efficiency
4. Micronutrients for Food & Nutrition Security
5. Micronutrient Fortified Fertilizers – Prospects & Challenges
6. Specialty and Micronutrient Fertilizers - Application Technologies
7. Customized Fertilizers – Present Status & Future Prospects
8. Nano Fertilizers – Opportunities & Challenges
9. Biostimulants – Prospects & Challenges
10. Strategies for promotion of Organic Fertilizers

### **TARGET AUDIENCE**

Manufacturers, importers / exporters, marketers, distributors, policy makers, researchers, students who are interested in Specialty and Micronutrient Fertilizers.

### **FACULTY**

Subject matter specialists from the Government, Agriculture Institutions, FAI and Specialty and Micronutrient Fertilizer Industry will act as the faculty.

### **DURATION AND DATE**

The duration of the programme is one day i.e. on January 24, 2024.

## **VENUE OF THE PROGRAMME**

The programme will be held at:

**Hotel Pride Executive  
5, University Road  
Shivajinagar, Pune  
Ph No : 020 - 66471471**

Since this is a non-residential programme, participants have to make their own travel & stay arrangements.

## **COURSE FEE**

In order to cover the expenses of the programme, a contribution of Rs. 5,000/- plus 18% GST per participant is payable. The contribution covers reading material, conference facilities, breakfast, lunch, AM /PM tea coffee & cocktail dinner.

The fee can be remitted through a Banker's cheque / draft payable at Mumbai in favour of The Fertiliser Association of India. The payment also can be made by NEFT/RTGS transaction through Punjab National Bank; Branch: Linking Road, Bandra (West), Mumbai; Saving Bank A/c.No.: 0082002100061929; SWIFT / IFSC / RTGS: PUNB0008200 under intimation to us. FAI-WR GSTIN: 27AAACT0097M1Z1

## **REQUEST FOR NOMINATION**

We have to be absolutely specific with the hotel about the number of participants. It is, therefore, requested that nomination of the participants should reach us latest by the December 31, 2023. Early communication on nominations will be highly appreciated.

## **REGISTRATION**

Registration form duly filled in along with the fee by Demand Draft/Bankers' Cheque may please be sent to:

**S P Shete**  
Regional Executive  
The Fertiliser Association of India (Western Region)  
3, New Commonwealth Society, 229, Linking Road  
Bandra (West), Mumbai – 400 050, India  
Contact No : 9594131210  
[wr@faidelhi.org](mailto:wr@faidelhi.org), [www.faidelhi.org](http://www.faidelhi.org)

## REGISTRATION FORM

FAI National Seminar on "Specialty and Micronutrient Nutrition"  
January 24, 2024  
Hotel Pride Executive, Pune

To:  
The Regional Executive  
The Fertiliser Association of India (WR)  
3, New Commonwealth Society, 229,  
Linking Road Bandra (West), Mumbai –  
400 050

Please register the following for the above programme:

S. No.	Name in Capital Letters (Dr./Mr./Ms.)	Designation	Organization and Postal Address	Mobile / Phone (O)	Email
1.					
2.					
3.					
4.					

Sponsored by: Name: ..... Designation : .....

Email: ..... Signature: .....Date : .....

For raising invoice, please provide following additional information:

PAN Number: ..... GST Number :  
.....

Billing Address: ..... Contact Person : .....  
.....  
.....  
.....

Photocopies can be used, if additional forms are needed.  
You may also email the filled in nomination form to [wr@faidelhi.org](mailto:wr@faidelhi.org)