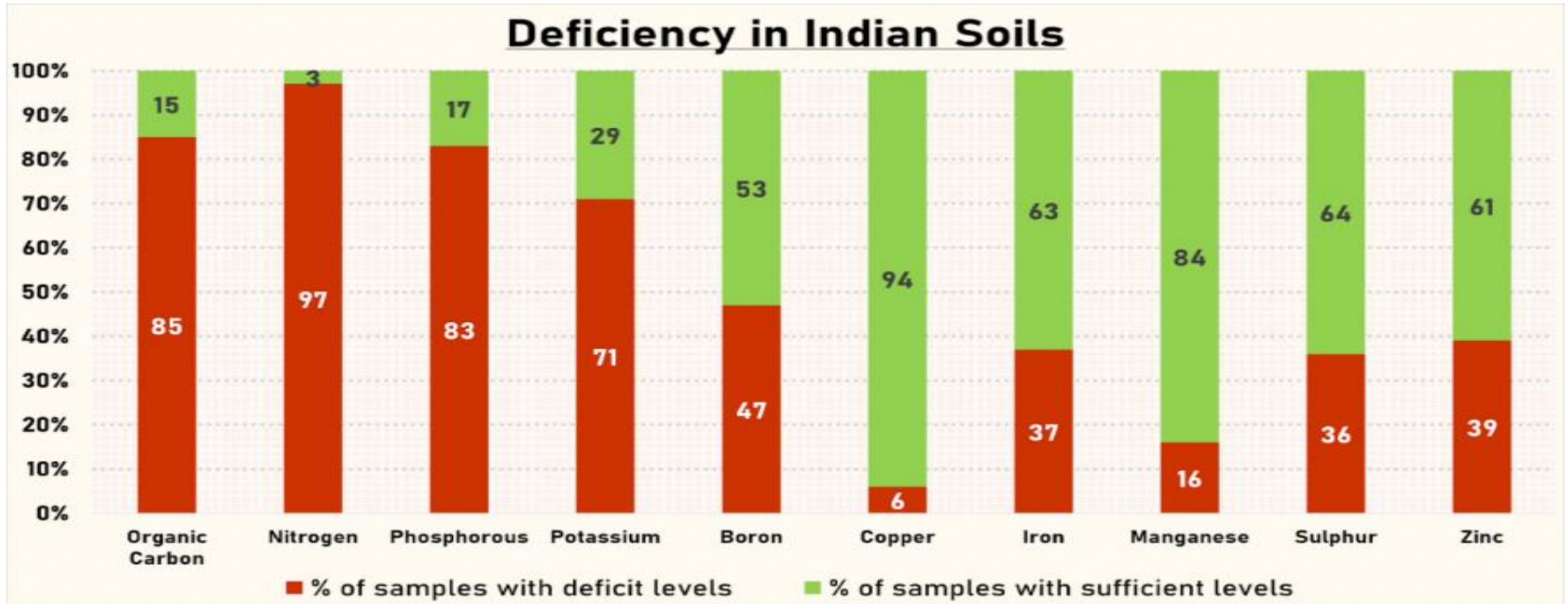


FERTIFIT **SMART** SOLUTION

12 in One Power House



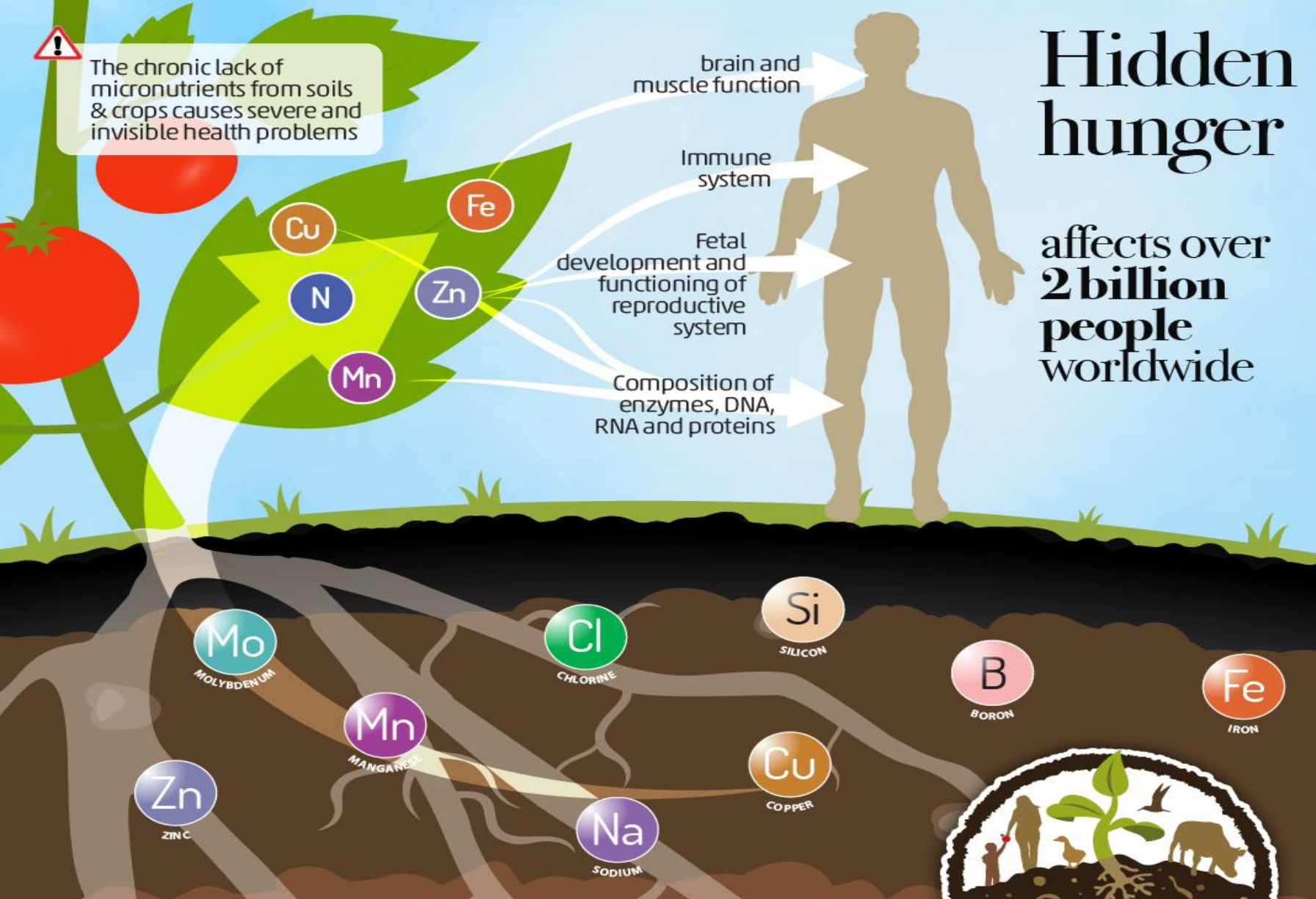
Nutrient deficiencies in Indian soil



Source: Centre for Science and Environment (CSE) report, 9th May 2022



The chronic lack of micronutrients from soils & crops causes severe and invisible health problems



Hidden hunger

affects over **2 billion** people worldwide

Malnutrition



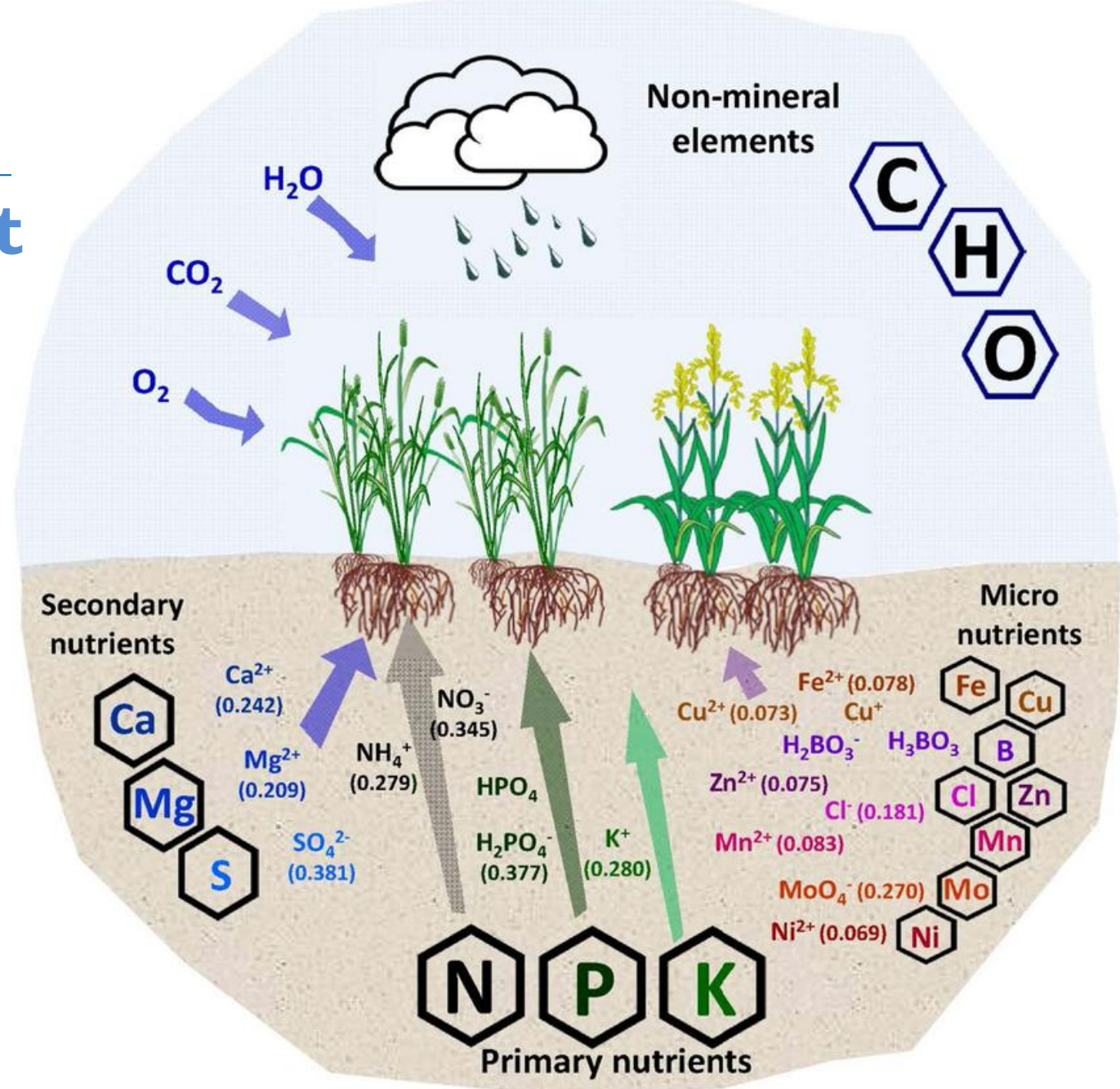
Food and Agriculture Organization of the United Nations



GLOBAL SOIL PARTNERSHIP



“A complete Plant Food”



Fertifit SMART Solution

- It contains Primary nutrient(NPK), secondary nutrients(Ca, Mg, S) & micronutrients(Zn, Fe, Cu, Mn, Mo & B) & with superior blending through **Advanced technology** makes this a perfect & **specialised grade** for its **all the growth stages** for all crops
- It reduces the hassle of using multiple fertilizers and provide all the nutrient in a balanced way at one go
- Fertifit SMART Solution provide all the essential nutrient N, P, K, Ca, Mg, S, Zn, Fe, Cu, Mn, Mo & B and the remaining essential element C, H, O requirement is fulfilled naturally thus completing the nutrient requirement of the crop



Nutrient Content of Fertifit SMART Solution



Particular	Content
Nitrogen(N)	10% w/w
Phosphorus(P)	9% w/w
Potassium(K)	16% w/w
Sulphur(S)	2% w/w
Calcium (CaO)	2% w/w
Magnesium (Mg)	2% w/w
Zinc (EDTA)	600 mg/ kg
Ferrous (EDTA)	720 mg/ kg
Manganese (EDTA)	348 mg/ kg
Copper (EDTA)	120 mg/ kg
Molybdenum	52 mg/ kg
Boron(B)	1000 mg/ kg

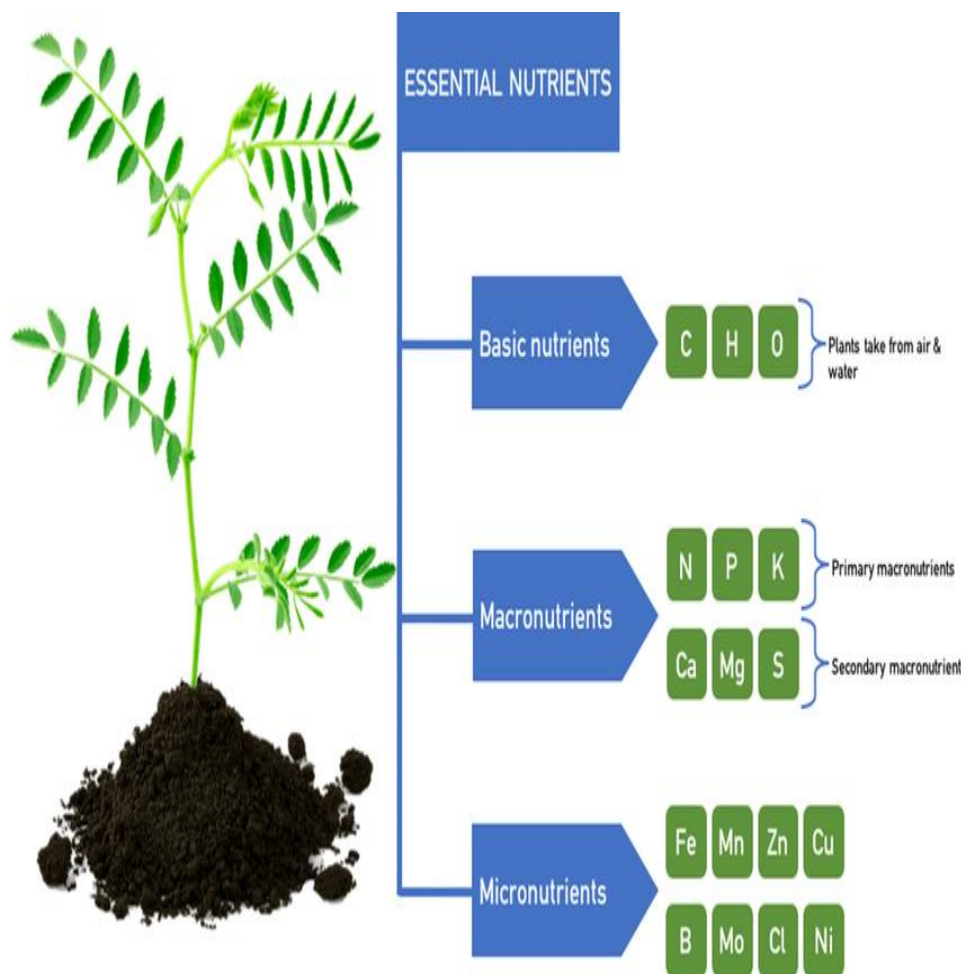
Declared on the bag

Declared as TE(trace elements)

Declared on the bag



Nutrient Content of Fertifit SMART Solution



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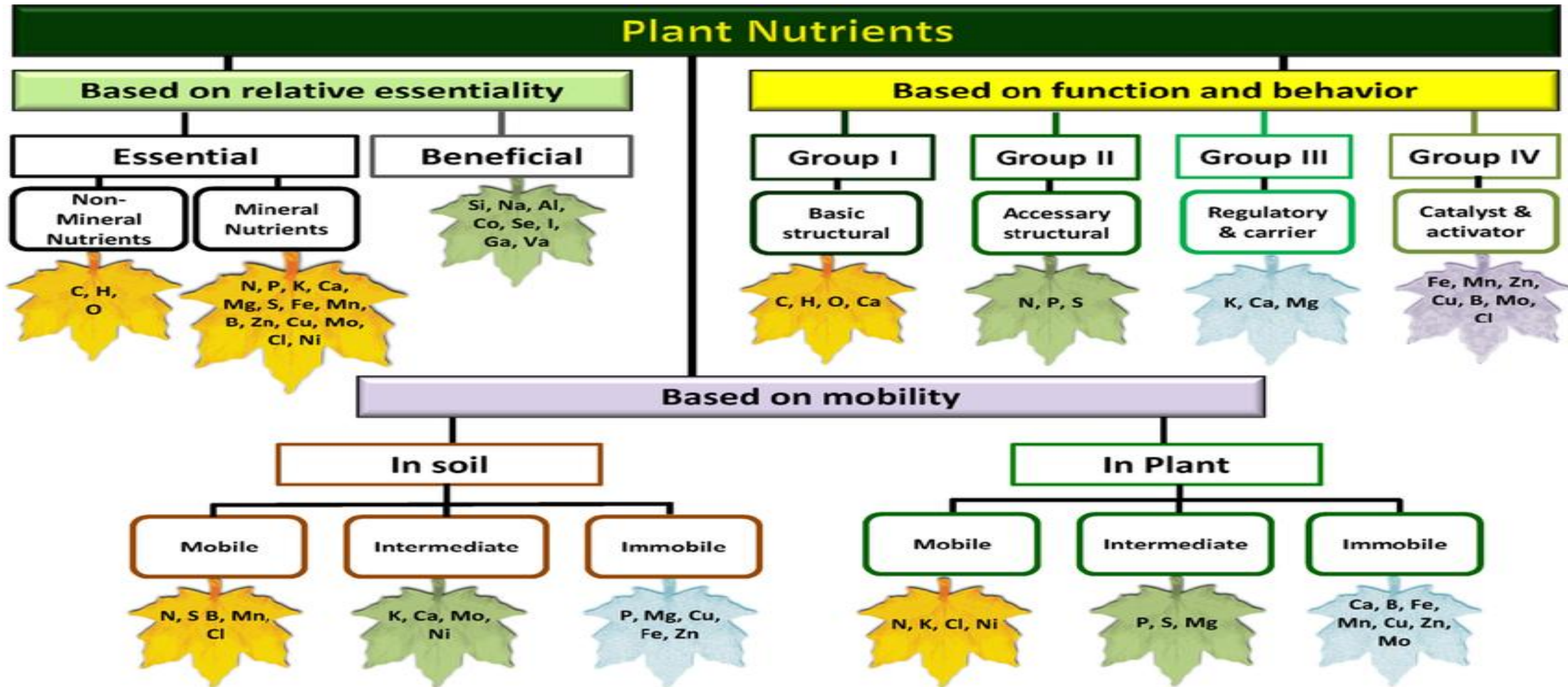
Declared on the bag

Declared as TE(trace elements)

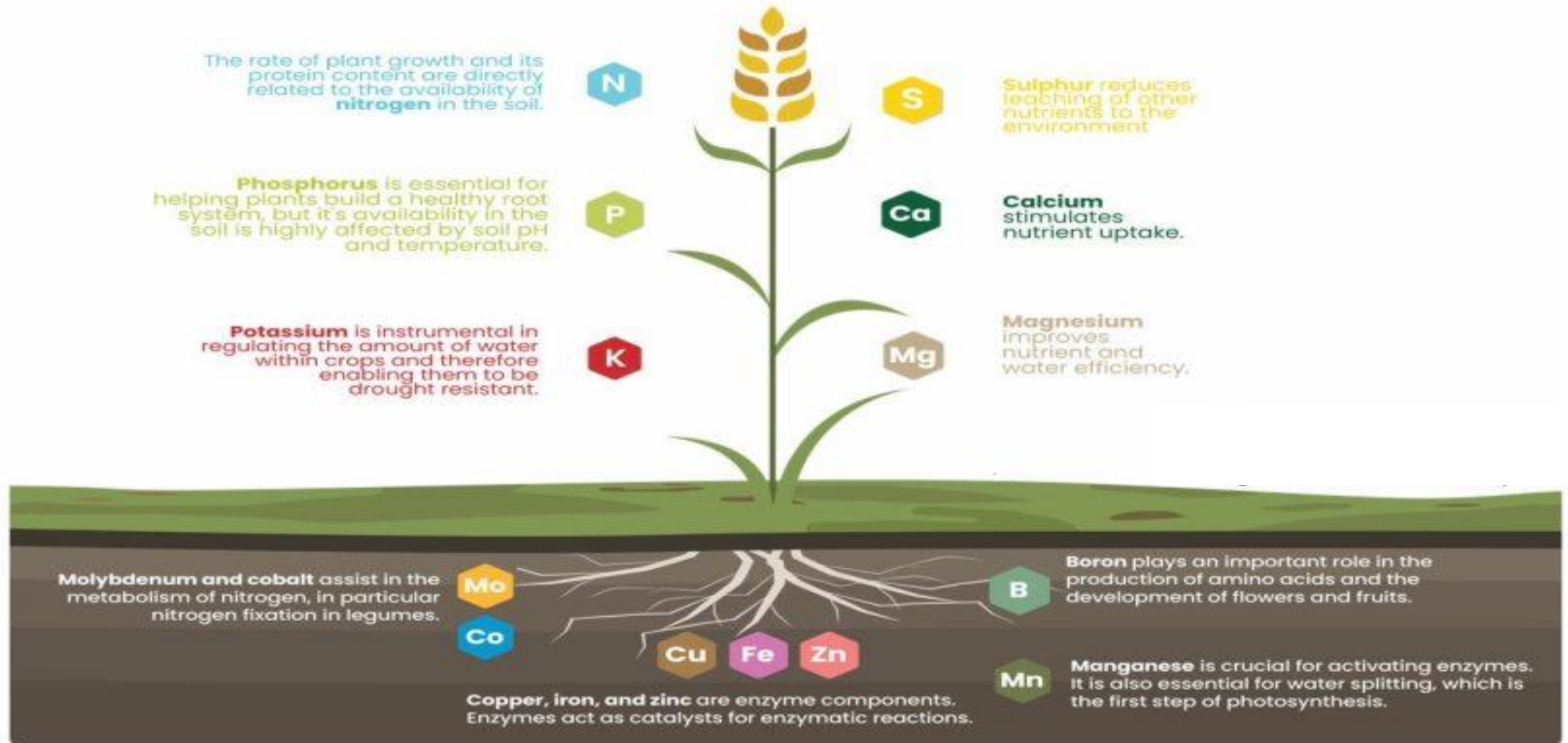
Declared on the bag



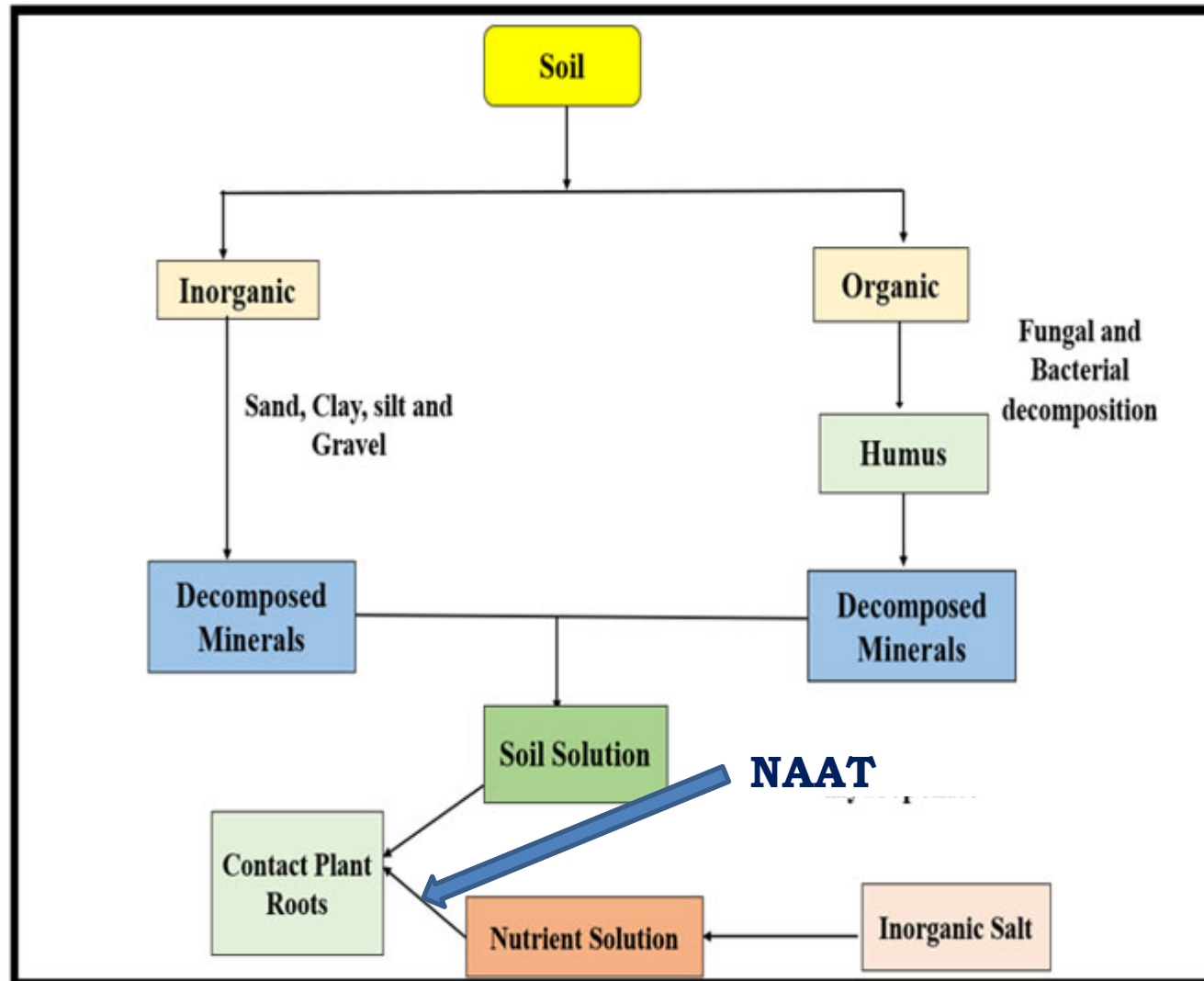
Plant Nutrients



Functions of Plant Nutrients



Composition and Nutrient cycle of soil, including organic and inorganic components and how nutrients reach plant roots



Soil

- Nutrient solution significantly impacts the active absorption of nutrients by plants
- Plant active absorption of nutrients
- This process moves mineral ions, often against a concentration gradient, using energy derived from cellular respiration (ATP hydrolysis) and by releasing ions, mainly **hydrogen ions (H⁺)**, into the soil.

Foliar

- Foliar application is generally used as a **supplement** to soil fertilization, particularly effective for **quickly correcting nutrient deficiencies**, rather than a complete replacement for the primary root uptake of nutrients.
- To improve nutrient solubility and absorption through the leaf cuticle. NAAT Plays major role with nutrients.
- **Major nutrients & EDTA Micronutrients**



Significance of chelation process

Increases the **availability** of nutrients

Prevent mineral nutrients from forming **insoluble precipitates**

Prevent nutrients from **leaching**

Reduces **toxicity of metal ions**

Increase **mobility** of plant nutrients

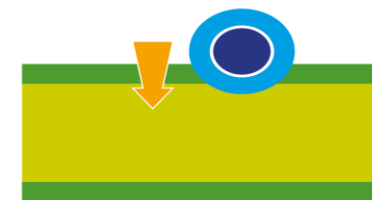
Suppress the growth of **plant pathogens**



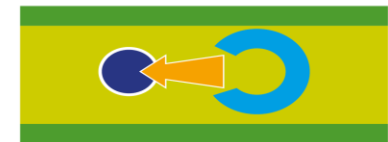
THE PROTECTED MINERAL IN A CHELATE



Inorganic nutrient cannot easily penetrate waxy leaf



Chelated nutrient penetrates into leaf



Chelated releases nutrient

Significance of chelation process

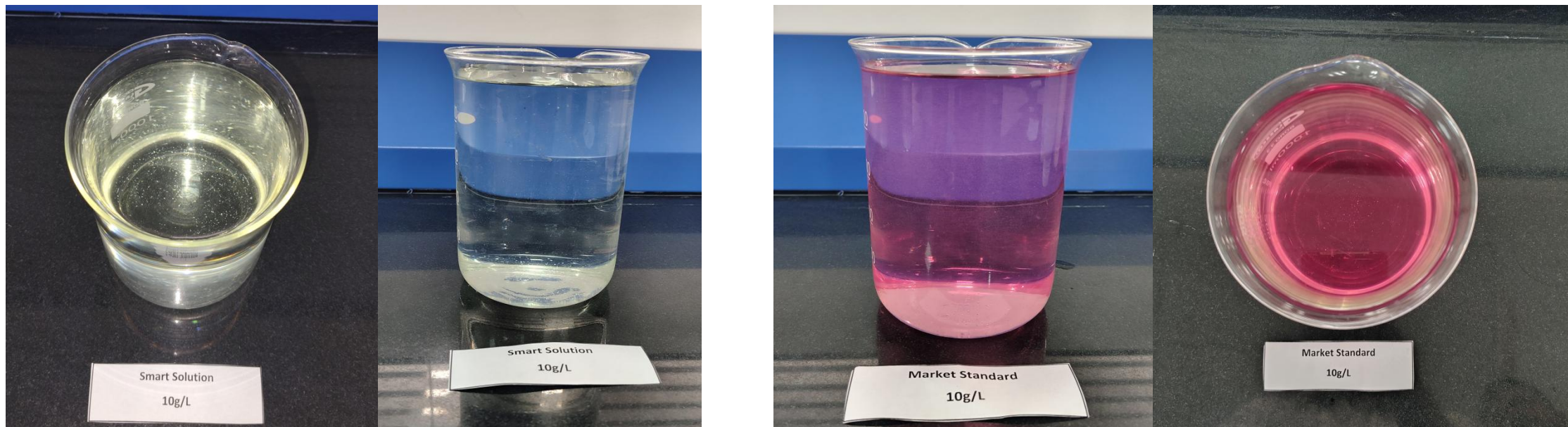


**Normal Sulphates mixed
with WSF**



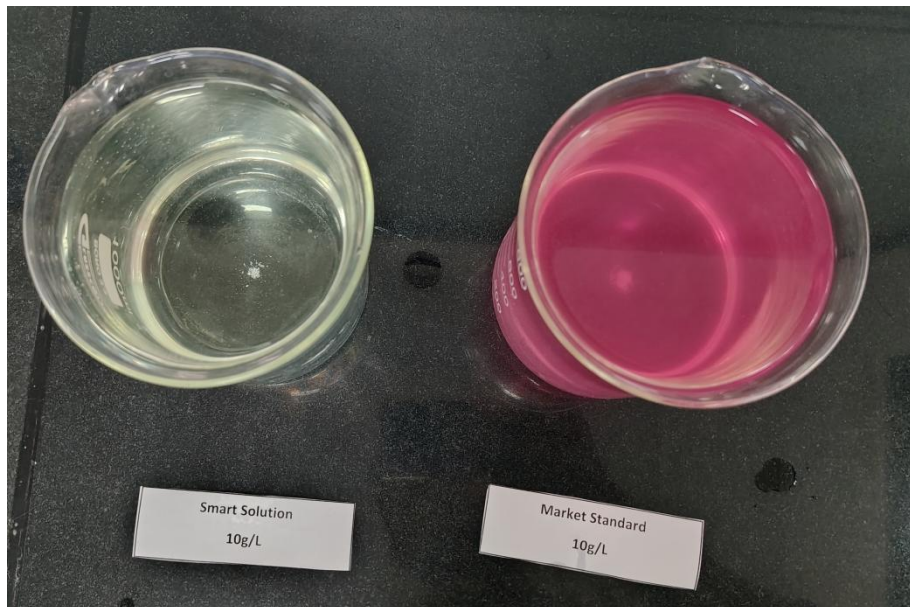
EDTAs mixed with WSF

Smart Solution v/s Market Standard



10g/L Solution Initial observation

Smart Solution v/s Market Standard



After 30 minutes

Parameters	Smart solution 5%	Market Standard 5%
pH	3.0	3.3
EC	40.0	35.1



After 24 hours

Parameters	Smart solution 10g/L	Market Standard 10g/L
pH	4.3	4.9
EC	11.5	13.1



Healthy crop with better yield



Healthy Crop Growth

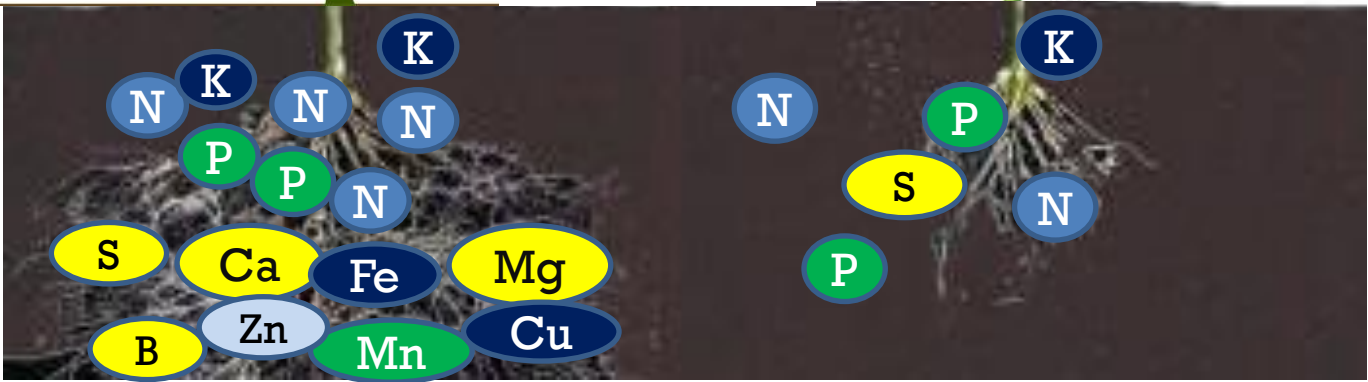
Better Yield

Optimum quality

With Smart Solution



Without Smart Solution



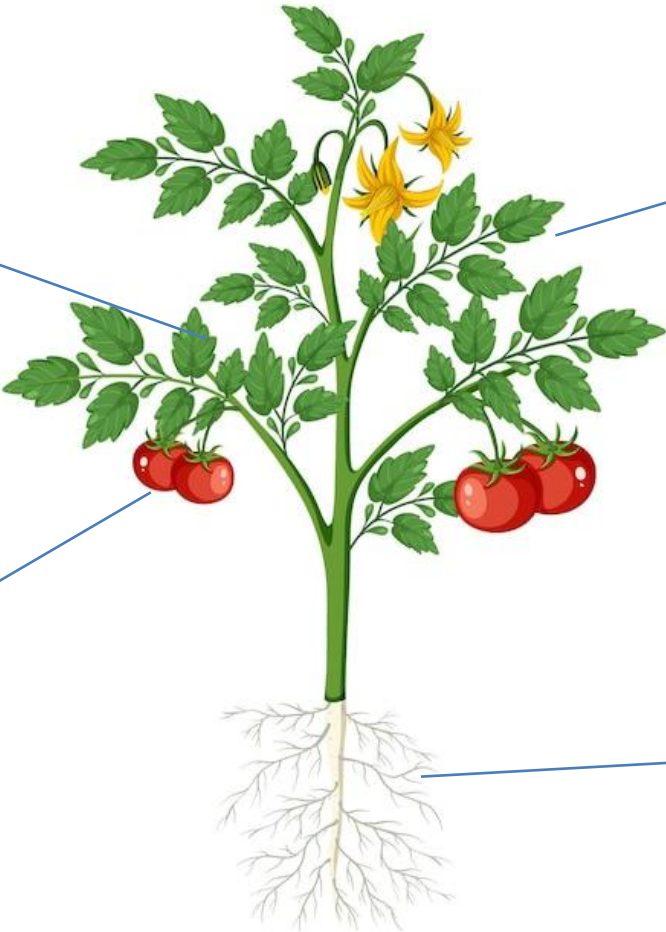
Effects of Smart Solution

Enhances Vegetative Growth

Enhances Flowering, Fruit Setting & Quality

Helps in Reproductive cycle & Quality

Enhances Root Development



Smart Solution



Dosage: 5 grams/Ltr
3-5 Kg /arce

Recommended for: All crops

Application: Soil application, Foliar spray & Fertigation

Smart Solution Dosage Recommendations

Soil application/ Soil Drenching/ Fertigation	<ul style="list-style-type: none">• 3-5 Kg /acre
Foliar Spraying	<ul style="list-style-type: none">• 5g ml/lit



USP of Fertifit SMART Solution

- **Fertifit SMART Solution** is one in all grades which contains all the essential nutrient required for ideal growth of crop
- **Fertifit SMART Solution** have been prepared high solubility & less chlorine content. Making it 100% soluble in water with no precipitation & no clog for the drip
- **Fertifit SMART Solution** have low pH which increases the nutrient use efficiency
- **Fertifit SMART Solution** have minimal amount of sodium & chloride hence it suitable for the soil fertility
- **Fertifit SMART Solution** special don't have any heavy metals traces(ex: Arsenic, Cadmium) making it suitable for soil health
- **Fertifit SMART Solution** special have less turbidity making the transparent solution with water
- Significant concentration of secondary & micronutrients which can be mentioned in the bag itself instead of TE(trace elements)
- **Fertifit SMART Solution** is manufactured using high purity source of magnesium

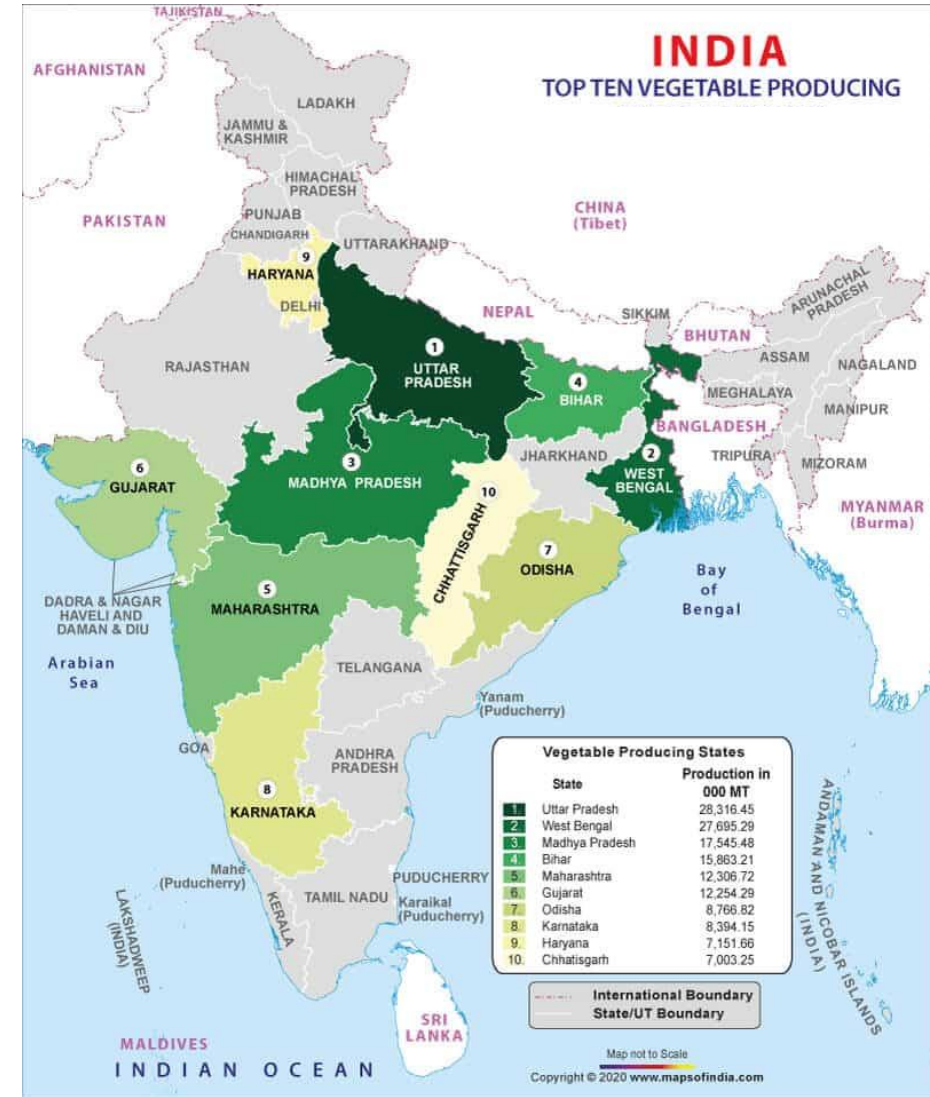
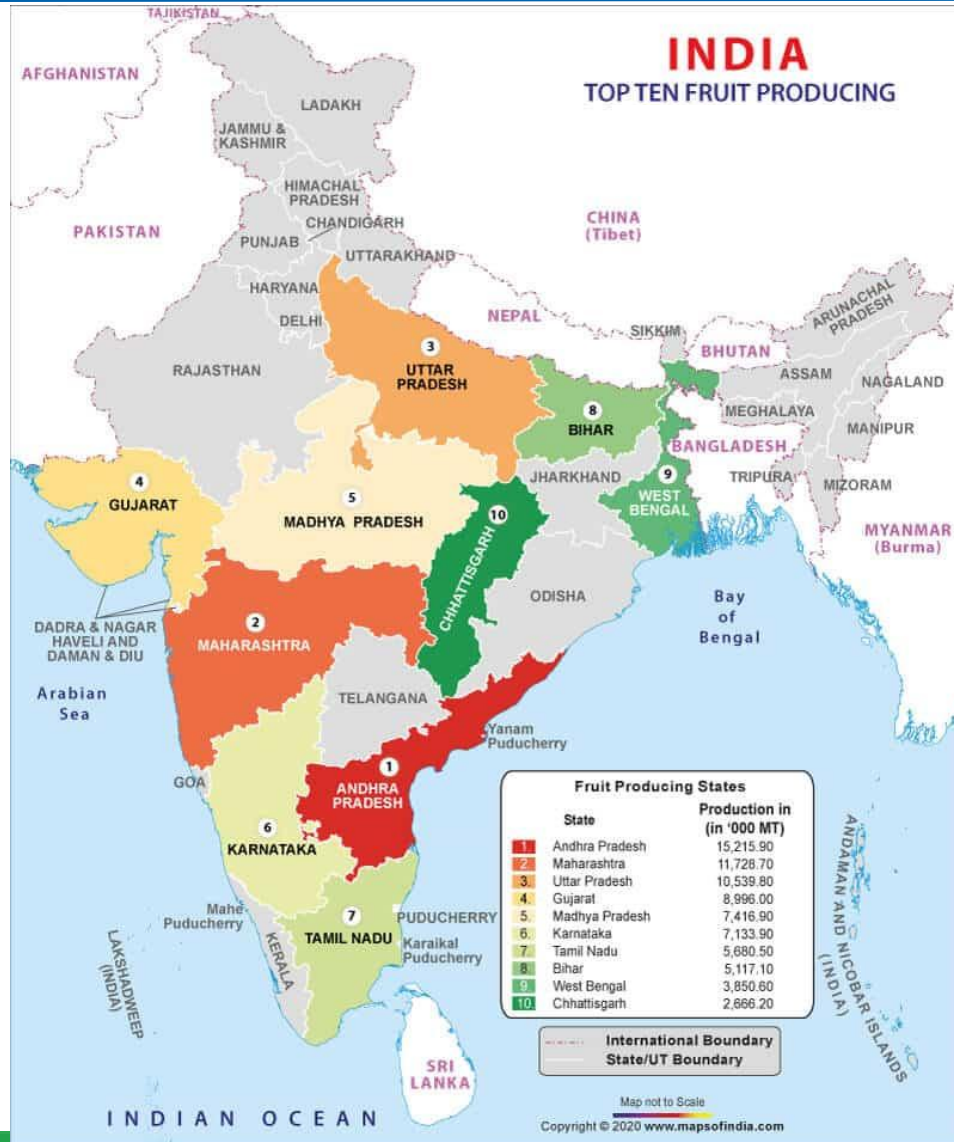


Benefits of Fertifit SMART Solution

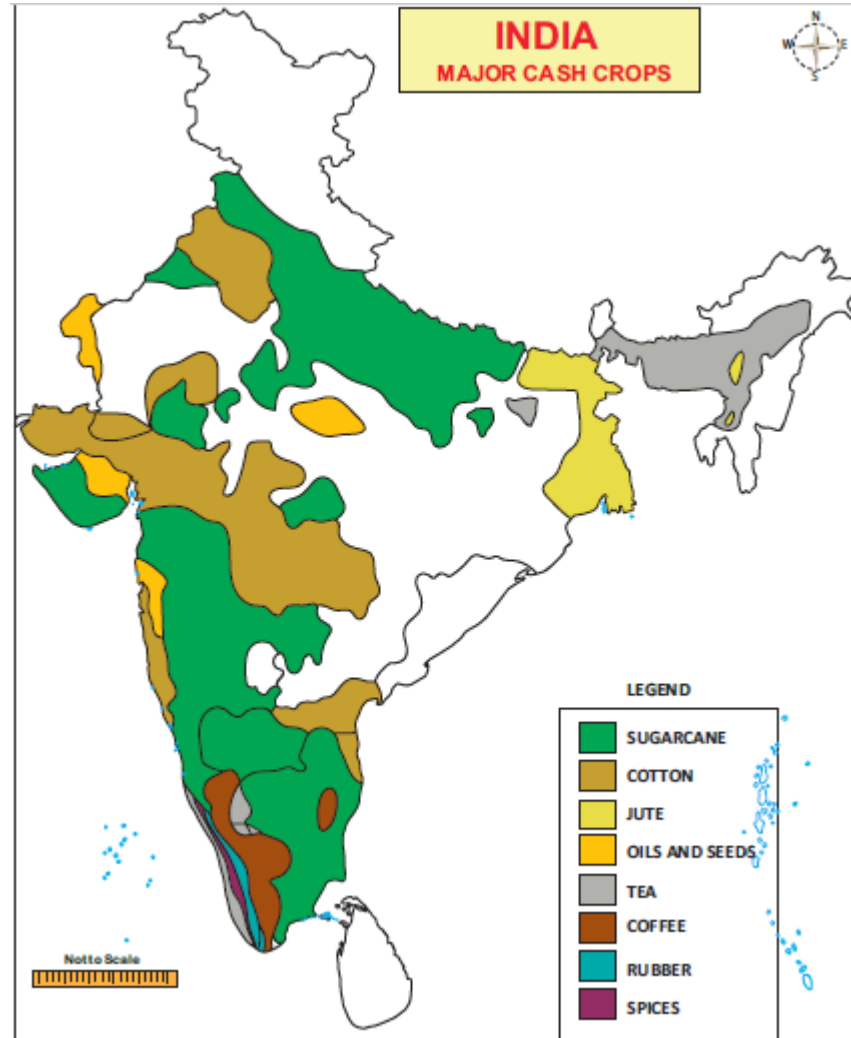
- Using SMART Solution reduces the **hassle of using multiple fertilizers** which leads to labour savings. You can use grade at different stages to **fulfil all nutrient requirements** of the crop
- Fertifit SMART Solution helps in **optimum growth at vegetative & Flowering stages** by providing all the essential nutrients at one go
- Fertifit SMART Solution helps in **profuse flowering & fruiting**
- Fertifit SMART Solution increase the **quality of fruit** with increased **shining** on the final output



Fruits & Vegetables



Focused Cash Crops



Focused crops for Fertifit SMART Solution

CASH Crops (Soil/Foliar)



Opium



Soybean



Cotton



Sugarcane

FIELD Crops (Soil/Foliar) 3-5 Kg / acre



Paddy



Maize



Wheat



Focused crops for Fertifit SMART Solution



Tomato



Chili/ Capsicum



Potato

VEGETABLE Crops
(Soil/Foliar/Fertigation)

3-5 Kg /acre



Cauliflower/ Cabbage



Onion



Gherkin/ Cucumber



Focused crops for Fertifit SMART Solution



HORTICULTURE Crops
(Soil/Foliar/Fertigation)

Pomegranate
25-50g per tree

Grapes
25-50g per tree

Apple
25-50g per tree



Banana
10-20g per tree



Watermelon/ Muskmelon
3-5 Kg /acre



Orange(Citrus)
50-100g per tree

Focused crops for Fertifit SMART Solution



Turmeric



Ginger



Garlic



Cardamum

SPICES Crops
(Soil/Foliar/Fertigation)

5-10 Kg /acre



Focused crops for Fertifit SMART Solution



Arecanut
25-50g per tree



Coconut
100g-200g per tree

PLANTATION Crops
(Soil/Foliar/Fertigation)



Focused crops for Fertifit SMART Solution



PLANTATION Crops
(Soil/Foliar/Fertigation)

5-10 Kg /acre

Tea

Coffee

25-50g per tree



Targeted Crops with State Mapping

	Grape	Pomegranate	Banana	Cotton	Sugarcane	Citrus	Solanaceae	Crucifer	Opium
Maharashtra							Tomato		
Karnataka							Tomato		
Andhra Pradesh							Tomato Green chilly		
Telangana							Tomato Green chilly		
Tamil Nadu							Tomato		
Gujarat							Potato Tomato Brinjal		
Uttar Pradesh							Potato		
Madhya Pradesh+Chattisgarh							Potato Tomato Green chilly		
Haryana+Punjab +Rajasthan							Potato		

	Solanaceae	Crucifer	Onion	Opium	Apple
Maharashtra	Sangli, Solapur, Jalgaon, Naded, Kolhapur, Nagpur, Amravati	Nashik, Pune, Aurangabad	Nashik, Ahmednagar, Pune, Jalgaon, Dhule, Solapur		
Karnataka	Kolar, Chikkkalapur, Bellary, Koppal, Shahpur, Haveri, Belgaum	Kolar, Hassan, Chikmaglur, Belgaum, Chikkkalapura, Bangalore Rural	Chitradurga, Chikmaglur, Bijapur, Davangere, Belgaum		
Andhra Pradesh	Guntur, Ongole, Chittoor, Madanapalli	V Kote, Chittoor	Kadapa & Chittoor		
Telangana	Khammam, Mahabubabad, Gadwal, Suryapet, and Warangal	Medak, Ranga Reddy, and Vikarabad	Rajendranagar		
Tamil Nadu	Ramanathapuram, Thoothukudi, Virudhunagar, Tirunelveli(Chili) Dharmapuri, Krishnagiri, Thiruvannamalai, Coimbatore, Salem, Erode(Tomato)	Nilgiris, Krishnagiri, Theni, and Erode	Perambalur, Tiruchirappalli (Trichy), Namakkal, Dindigul, Tirunelveli, and Tiruppur		
Gujarat	Anand and Vadodara, Kheda and Mehsana – Chili Anand, Kheda and Vadodara Mehsana and Banaskantha - Tomato	Mehsana, Kheda, Baroda, and Gandhinagar	Mehsana, Banaskantha, and Sabarkantha		
Uttar Pradesh	Meerut, Varanasi, Prayagraj, Ghazipur, Mirzapur, Allahabad (Prayagraj), Pratapgarh, Sultanpur, Faizabad, Ambedkar Nagar, Basti, Gorakhpur, Deoria, Mau, Jaunpur, Ghazipur, and Ballia	Meerut and Hapur, Hardoi and Kanpur, Faizabad, Jaunpur	Ballia, Mirzapur, Ghazipur, Varanasi, Chandauli, Kushinagar, Sonbhadra, and Ayodhya		
Madhya Pradesh+Chattis gadh	Khargone, Sehor, Dhar, Indore, Badwani, Betul, Chindwada	Indore	ndore, Sagar, Shajapur, Khandwa, Ujjain, Dewas, Ratlam, Mandsaur, and Neemuch	Neenunch, Mandsaur, Ratlam, Ujjain, Jabua, Shajapur	
Haryana+Punjab+Rajasthan	Jaipur, Sawai Madapur, Kothputli Behrod, Sikar			Chittorgadh(80%), Pratapgadh, Bhilwara, Jhalawad	
HP & J&K					

Application details of Fertifit SMART Solution



- Foliar spray: 5g/L at Vegetative, Flowering & Maturity stages
- Soil application/ Fertigation: 3-5 Kg/acre depending on the crop, stage of growth & the growth medium



SMART Solution



Poster – SMART Solution

FERTIFIT **SMART** SOLUTION

12 in One Power House

Benefits ↻

- Multiple Nutrients
- Improve Resistance
- Improve Vigour
- Improve Flower & Fruit Setting
- Increase Productivity



A quality product from


FaYmHUB
ZUARI FARMHUB LIMITED

Leaflet – SMART Solution



ఫెర్టిఫైట్ స్మార్ట్ సొల్యూషన్ 12 ఘోషకాల సమగ్ర శక్తి నిలయం

? ఫెర్టిఫైట్ స్మార్ట్ సొల్యూషన్ అంటే ఏమిటి?

50 సంవత్సరాల అనుభవాన్ని ఉపయోగించి, జాబ్ ఫామిహబ్ స్మార్ట్ సొల్యూషన్ను తీసుకువచ్చింది. ఫెర్టిఫైట్ స్మార్ట్ సొల్యూషన్ పంటకు అవసరమైన అన్ని ఘోషకాలను అన్ని దశలలో సరఫరా చేయడానికి రూపొందించబడింది. ఈ ఉత్పత్తి, ఆధునిక సాంకేతికతల యొక్క సమగ్ర శ్రేణి. అన్ని ఫర్టిఫైట్ సిస్టమ్స్ లో లేదా ఫోలియర్ పద్ధతిలో ఉపయోగించుకోవచ్చు. NPK, ద్వితీయ మరియు ముఖ్యమైన చెలేటెడ్ సూక్ష్మఘోషకాలను కలిగి ఉన్న సమతుల్య ఘోషక కార్యక్రమాన్ని అందిస్తుంది



ఘోషకం	శాతం
నైట్రజన్ (N)	10% w/w
ఫాస్ఫరస్ (P ₂ O ₅)	9% w/w
పొటాషియం (K ₂ O)	16% w/w
సల్ఫర్ (S)	2% w/w
కాల్షియం (CaO)	2% w/w
మాగ్నీషియం (MgO)	2% w/w
జింక్ (Zn-EDTA)	600 mg/ kg
బిరున్ (Fe-EDTA)	720 mg/ kg
మాంగనీస్ (Mn-EDTA)	348 mg/ kg
కాపర్ (Cu-EDTA)	120 mg/ kg
మోలిబ్డినం (Mo)	52 mg/ kg
బోరాన్ (B)	1000 mg/ kg

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Telugu



ఫెర్టిఫైట్ స్మార్ట్ సొల్యూషన్ 12 ఘోషకాల సమగ్ర శక్తి నిలయం

? ఫెర్టిఫైట్ స్మార్ట్ సొల్యూషన్ ఎందుకే?

50 వర్షాల అనుభవంను బాగా ఉపయోగించి, జాబ్ ఫామిహబ్ స్మార్ట్ సొల్యూషన్ లాంఛన్ ను తయారు చేసింది. ఇది ఎలా, దశలలో, బీజ్ లో అగ్రావిరువ వ్యవసాయంను ప్రోత్సహించే విధంగా ఉంటుంది. ఈ లాంఛన్ లో అధునిక సాంకేతికతల సమగ్ర శ్రేణి ఉంటుంది, ఇది మాగ్నీషియం, కాల్షియం, సల్ఫర్, జింక్, బిరున్, మాంగనీస్, కాపర్, మోలిబ్డినం మరియు బోరాన్ ఘోషకాలను కలిగి ఉన్న సమతుల్య ఘోషక కార్యక్రమాన్ని అందిస్తుంది.



ఘోషకం	శాతం
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Kannada



ફર્ટિફైટ સ્మార్ట్ సొల్యూషన్ 12 ઘોષકાલ સમગ્ર શક્તિ નિલય

? ફર્ટિફైટ સ્మార్ટ સોલ્યુશન શું છે?

50- વર્ષની અનુભવ ઉપયોગમાં, જાబ్ ફોમિહબ్ સ્માર્ટ સોલ્યુશન, જે પાકને તેની બધી જ વૃદ્ધિની અવસ્થામાં જરૂરી તત્ત્વો પૂરા પાડે છે. આ એક આધુનિક અને વ્યાપક પાતરના મિશ્રણની શ્રેણી છે, જે 24ક પદ્ધતિ દ્વારા અથવા છંટકાવ દ્વારા બંને રીતથી આપી શકાય છે. આ પાતર NPK સાથે ત્રીણ તેમજ સૂક્ષ્મતત્ત્વો પૂરા પાડે છે. પાકને સંતૃપ્ત ઘોષક તત્ત્વો આપે છે.



વિશેષતા	સામગ્રી
નાઇટ્રોજન (N)	10 %
ફોસ્ફોરસ (P ₂ O ₅)	9 %
પોટેશિયમ (K ₂ O)	16 %
સલ્ફર (S)	2 %
કેલ્શિયમ (CaO)	2 %
મેગ્નેશિયમ (Mg)	2 %
ઝિંક (Zn-EDTA)	600 મિ.ગ્ર./કિ.ગ્ર.
બિరుન (Fe-EDTA)	720 મિ.ગ્ર./કિ.ગ્ર.
માંગનીસ (Mn-EDTA)	348 મિ.ગ્ર./કિ.ગ્ર.
કોપર (Cu-EDTA)	120 મિ.ગ્ર./કિ.ગ્ર.
મોલિબ્ડેનમ	52 મિ.ગ્ર./કિ.ગ્ર.
બોરાન (B)	1000 મિ.ગ્ર./કિ.ગ્ર.

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Gujarati

Leaflet – SMART Solution



फर्टिफिट **स्मार्ट** सोल्यूशन

12 पोषक तत्व एक पावरहाउस में

? फर्टिफिट स्मार्ट सोल्यूशन क्या है

50+ वर्षों के अनुभव का उपयोग करते हुए, जुआरी फार्महब ने फर्टिफिट स्मार्ट सोल्यूशन लाया है जिसे सभी चरणों में फसल द्वारा आवश्यक सभी पोषक तत्वों की आपूर्ति के लिए डिज़ाइन किया गया है। यह उत्पाद उन्नत फॉर्मूलेशन की एक व्यापक श्रृंखला है जिसका उपयोग सभी उर्वरक प्रणालियों में या पर्ण मार्ग के माध्यम से एनपीके, द्वितीयक और आवश्यक चिलेटेड सूक्ष्म पोषक तत्वों वाले संतुलित पोषक कार्यक्रम प्रदान करने के लिए किया जा सकता है।

विशेष	सामग्री
नाइट्रोजन (N)	10 प्रतिशत
फॉस्फोरस (P ₂ O ₅)	9 प्रतिशत
पोटेशियम (K ₂ O)	16 प्रतिशत
सल्फर (S)	2 प्रतिशत
कैल्शियम (CaO)	2 प्रतिशत
मैग्नीशियम (Mg)	2 प्रतिशत
ज़िंक (ईडीटीए)	600 मिली ग्राम/किलोग्राम
फेरस (ईडीटीए)	720 मिली ग्राम/किलोग्राम
मैंगनीज (ईडीटीए)	348 मिली ग्राम/किलोग्राम
कॉपर (ईडीटीए)	120 मिली ग्राम/किलोग्राम
मोलिब्डेनम (Mo)	52 मिली ग्राम/किलोग्राम
बोरॉन (B)	1000 मिली ग्राम/किलोग्राम



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Hindi



फर्टिफिट **स्मार्ट** सोल्यूशन

12 अन्नद्रव्यांनी परिपूर्ण असा एक उत्तम पर्याय

? फर्टिफिट स्मार्ट सोल्यूशन म्हणजे काय?

जुआरी फार्महबने, ५० वर्षांच्या प्रदीर्घ अनुभवाने फर्टिफिट स्मार्ट सोल्यूशन हे खत बाजारात आणले आहे. हे खत पिकाच्या वाढीस आवश्यक असणारी मुख्य, दुय्यम आणि चिलेटेड स्वरूपातील सूक्ष्म अन्नद्रव्यांचा पुरवठा करते. हे खत प्रगत तंत्रज्ञानाचा वापर करून तयार केले असून, याचा वापर ठिबक सिंचनाद्वारे आणि फवारणीद्वारे केला जाऊ शकतो.

अन्नद्रव्ये	फर्टिफिट स्मार्ट सोल्यूशन
नत्र (N)	१०%
स्फुरद (P ₂ O ₅)	९%
पालाश (K ₂ O)	१६%
गंधक (S)	२%
कॅल्शियम (CaO)	२%
मैग्नीशियम (Mg)	२%
जस्त (चिलेटेड)	६०० मि. ग्रॅम/किलो
लोह (चिलेटेड)	७२० मि. ग्रॅम/किलो
मंगल (चिलेटेड)	३४८ मि. ग्रॅम/किलो
तांबे (चिलेटेड)	१२० मि. ग्रॅम/किलो
मॉलिब्डेनम (Mo)	५२ मि. ग्रॅम/किलो
बोरॉन (B)	१००० मि. ग्रॅम/किलो



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Marathi

Tamil, Bengali, Odia language conversion is underway.

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THANKS

