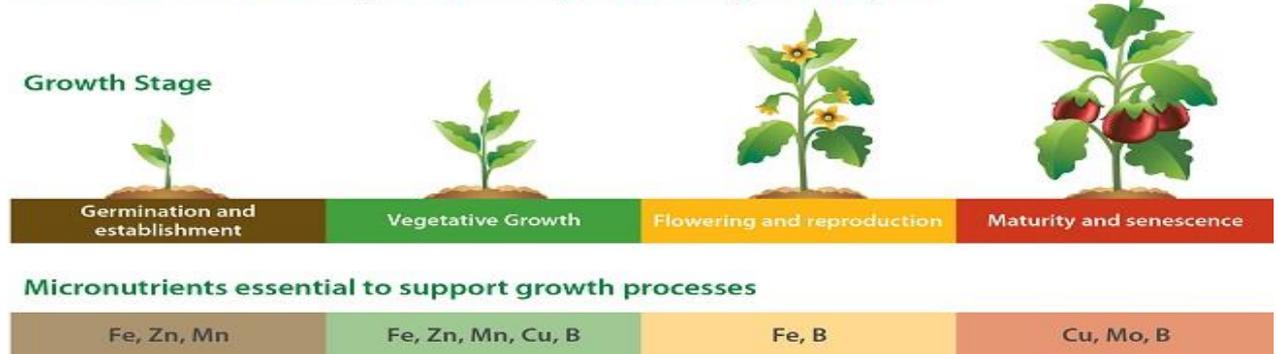


## Akshat Combi-2

Akshat Combi-2 products are the chelated multi micronutrient fertilizer with Magnesium and sulphur for the prophylactic and curative treatment of micronutrient deficiencies in intensive crop and field crops. its ideal complement for plant nutrition in a broad variety of crops, for optimal development and best yield. Intensive crop production calls for perfectly balanced nutrition that includes all plant essentials. Special care and reliable monitoring are required when it comes to micronutrient deficiencies, as they may impair plant growth. Even hidden deficiencies, with no visual symptoms, put yield levels and crop quality at risk.

### Micronutrients are required throughout the growth cycle



### Product analysis:-

| Specification |    |   | Grade |
|---------------|----|---|-------|
| Zinc*         | Zn | % | 3.0   |
| Iron*         | Fe | % | 0.5   |
| Manganese*    | Mn | % | 1     |
| Copper*       | Cu | % | 1     |
| Boron*        | B  | % | 1.5   |
| Molybdenum    | Mo | % | 0.1   |
| Bromide       | Br | % | 0.5   |



**Miscibility :-** As tank mix Akshat combi-2 is miscible with many crop protection agents but not with alkaline or those containing metallic trace elements.eq. copper or manganese **Mixing** test with small amount of the product as intended is advisable. Small dose applied frequently gives reliable action.

### pH and EC :-

Akshat Combi-2 has moderately low pH that remains almost at different concentration.

| Concentration % | 0.5 | 1   | 5   | 10  |
|-----------------|-----|-----|-----|-----|
| pH              | 6.7 | 6.3 | 6.2 | 6.0 |

The EC increase substantially when high concentration of Akshat Combi-2 are used .

| Concentration % | 0.5 | 1    | 5    | 10   |
|-----------------|-----|------|------|------|
| EC (mS/cm)      | 5.4 | 10.6 | 27.9 | 50.4 |



## Application recommendation

### For Fertigation :-

For Drip irrigation system 200-250gm of Akshat Combi-2 should be added to 200 Ltr of water every 10 to 20 days. Akshat Combi-2 amount can be increased to 300-500 gm as per Agronomist Advise. For adequate supply of micronutrients throughout the growth cycle and for prompt correction of deficiencies it is recommended to apply **Akshat Combi-2** chelated micronutrient fertilizer.

### Advantage of Akshat Combi-2 :-

- Complements plant nutrition
- Facilitates growth and boosts vigour
- Correct deficiencies and cure mal-functioning of the plant
- Supports flowering and fruiting
- Enhances plant resistance to disease, insects and frost

### The mechanism of chelate ;:-

- Chelate is a complex of a micronutrient ion and an organic molecule that "holds" it, called ligand. As long as the ion is attached to the ligand, it is protected from interacting with other ions in the solution, which might turn it unavailable for plant uptake.
- As the micronutrient ions are consumed by the plant, more ions are released from the holding ligands, thus becoming available for plant uptake.
- This mechanism maximizes the efficiency of the micro nutrients applied. When **Akshat Combi-2** is applied, the chelates ensure availability of micronutrients in both alkaline and acidic soils.

### Application of Akshat Combi-2

- All micronutrients are in a chelated form, to maximize stability and efficiency
- Akshat Combi-2 chelates are absorbed by the plant rapidly and efficiently
- Akshat Combi-2 chelates are fully soluble in water
- Compatibility with a wide range of Agrochemicals enables tank-mixing, thus reducing the cost of spray operations by minimizing the number of application needed
- Homogeneous free Flowing micro granules rapidly and completely soluble in water
- Insures rapid uptake and protection from premature fixation. Useful for perennial Crops.