



Role of Zinc:

- Involved with the production of Auxin within the plant. Auxin is responsible for leaf size, which helps in photosynthetic activity.
- Zinc is needed for phosphorous uptake which is needed for energy transfer.
- Necessary for the starch formation and proper root development.
- The constituent in several plant enzymes.
- Carbohydrate metabolism in photosynthesis and conversion of sugars to starch.
- Protein metabolism
- Resistance to infection.

Zinc sensitive crops:

- Bean, Citrus, Grape, Maize, Onion, Sugarcane.
- Cotton, Potato, Soybean, Tomato,

Zinc deficiency in Grape:

- Mild deficiency affects fruit only whereas; severe deficiency will affect foliage and fruit.
- Reduced fruit set and presences of shot berries.
- Zinc Fertigation – Zinc sulfate (not ZinkFlo) should be completed 2-3 weeks before bloom. Zinc level should be 30 ppm, from early bloom.
- Leaf petioles opposite cluster are sampled during bloom period while recently matured leaf petiole should be used before or after bloom.

Reasons for Zinc deficiency:

- Excessive phosphate.
- Overuse of nitrogen.
- Excessive use of copper can block zinc
- Alkaline soils (with pH above 6.4).

Benefits of ZinkFlo:

- High analysis, flowable.
- Large surface area for high absorption by leaf surface.
- Quickly corrects deficiencies.
- Safe to use.
- No scorching or burning.
- Not affected by pH.
- Controlled particle size gives quick uptake and long-lasting effect. Thus reducing repeat applications.

Foliar Application:

Sr.No	Crop	Application Stage	Advisory Dose (ml/lit of water)
1	Grapes (Apr / Oct Pruning)	Stages as per EL chart: (EL 12): 5 leaves separated, (EL 16): 10 leaves separated, (EL 23): 50% caps fall = Full bloom, (EL 27): 2 mm berry stage.	0.5
2	Pomegranate	30-35 days after pruning & Repeat at 45 -50 days after Pruning.	1-1.5
3	Banana	40-45 days and 90-95 days after Transplant.	1-1.5
4	Citrus	8-10 days before flowering & Repeat 15 days after the first spray.	1-1.5
5	Tomato/Chilli / Onion / Garlic	30-40 days after transplant & Repeat after 15 days.	0.5-0.75
6	Potato	30-40 days after sowing.	1-1.5
7	Sugarcane	45 days after sowing & 90 days after sowing.	1-1.5
8	Cotton	30-35 days after transplant & 45-50 days after transplant.	0.5-0.75
9	Pulses/ Soyabean	30-35 days after sowing.	1-1.5
10	Maize / Groundnut	30-35 days after sowing.	1-1.5

SHAKE WELL BEFORE USE

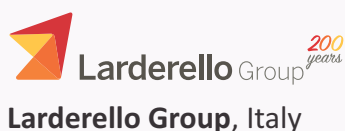
Direction for use: Continue agitation during spraying.

Tank mixing/co-application: Carry out "Jar test" before mixing ZinkFlo with other products. Co-application is entirely at the risk of the end-users.

Caution: Do not exceed the appropriate application rate. Do not spray under hot and bright days. Always Use PPE. Do not empty into drains and waterways. Dispose of empty container in a safe way.

Storage: Do not expose to direct sunlight or high temperature (above 30° C). Use the container fully, once opened. Keep away from food, drink, animal feedstuff and children

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