

# Librel<sup>®</sup> Ca

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Calcium EDTA Chelate

## Product Information

<b>Product Type</b>	Secondary plant nutrient.
<b>Description</b>	Calcium ethylenediamine tetra acetate, disodium salt, (CaEDTA Na <sub>2</sub> ).
<b>Intended Use</b>	<ul style="list-style-type: none"><li>• To correct calcium deficiency in most agricultural, horticultural and ornamental crops.</li><li>• Recommended for foliar application.</li></ul>
<b>Typical Analysis</b>	Calcium (as Ca) 9.50% w/w
<b>Analytical Method</b>	Available on request
<b>Appearance</b>	White spray agglomerated microgranule
<b>PRD-No.</b>	30481730
<b>Solubility (in water)</b>	~300 g/l (at 20 °C)
<b>Specification</b>	See separate document: "Standard Specification" available via BASF's WorldAccount: <a href="https://worldaccount.basf.com">https://worldaccount.basf.com</a> (registered access).
<b>Packaging</b>	Detailed information on the packaging is available via BASF's WorldAccount: <a href="https://www.worldaccount.basf.com">https://www.worldaccount.basf.com</a> (registered access).
<b>Storage</b>	Librel Ca will store indefinitely under normal conditions. For user convenience it is recommended that the product is stored in a dry place. Re-seal partly used packs tightly.
<b>Transport Precautions</b>	No special precautions are necessary for transport by air, sea, rail or road.
<b>Harmonised Tariff No.</b>	2922-4985-90
<b>Health &amp; Safety</b>	Detailed information on the product described in this leaflet can be found in our relevant Health and Safety Information (Material Safety Data Sheet) available via BASF's WorldAccount: <a href="https://worldaccount.basf.com">https://worldaccount.basf.com</a> (registered access).

## Directions for Use

### General Information

Librel Ca gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions which are responsible for one particular deficiency can also induce deficiencies of other micro-nutrients. Always ensure that deficiencies are confirmed before treatment is carried out.

### Mixing With Water

Simply add the powder to water while it is being agitated, do not pre-mix. Continue agitation for a short while to ensure complete dissolution.

### Compatibility

Librel Ca is compatible with all other Librel chelates and many crop care chemicals. It is also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilisers.

## Foliar Application

### General Information

Librel Ca should be dissolved in a convenient volume of water to suit the spraying machine being used and the target crop leaf area. The following points should be observed.

1. The sprayer should be fitted with nozzles that produce a fine mist.
2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
3. Spraying should be carried out on a calm day **but not during strong sunshine or high temperatures**. The best time is late afternoon or evening.
4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

### Fruit Crops

**Do not apply Librel Ca to any fruit crops as a foliar spray.**

### Rates of Use

Crop	Rates of Use	
General crops	Severe Deficiency	2.0 kg/ha
	Slight Deficiency/Maintenance	1.0 kg/ha

### Water Volume

The amount of Librel Ca to be applied should be mixed with a volume of water appropriate to the crop leaf area of the type of spraying machine being used.

Arable crops: 200 – 600 litres per hectare.

NB: Do not exceed a solution concentration of 0.1% (1 g/l).

### Wetting Agent

Unless Librel Ca is to be applied with a pesticide containing sufficient wetter, then a standard, agricultural non-ionic wetting agent should be used as recommended by the manufacturer.

### Small Scale Use

For example using a knapsack sprayer. Prepare a 0.05 – 0.1% (0.5 – 1.0 g/l) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

**Soil Application**

Please contact your supplier for appropriate recommendations.

**Statutory Caution**

To be used only where there is a recognised need. Do not exceed the appropriate dose rate.

**Note**

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