



Solufeed Fo-Cal

Calcium foliar fertiliser

Premium quality liquid calcium foliar-feed with added nutrients. Specifically designed for foliar application and containing added surfactants to improve adhesion and maximise the plant uptake.

Uses

Solufeed Fo-Cal is designed to prevent or correct calcium deficiency in a wide variety of crops.

Recommended for foliar application.

Benefits

- For lettuce, apples, strawberries, vegetables, flowers, stone fruit and many other crops
- Unique, highly effective formulation based on calcium nitrate.
- Proven crop safety allows benefits of early application.
- Added nutrients including magnesium, zinc and boron for balanced plant health.
- Easy to use, clear liquid formulation.
- *Solufeed Fo-Cal* is manufactured to ISO 9002 – 2000 quality standards using only top quality raw materials.

Calcium related plant disorders

Plants use calcium in their cell walls, which form the structure of the plant. If calcium levels are low, then cell walls are weakened. The plant becomes more susceptible to disease and physical damage. Fruit bruises easily and the marketable yield and quality are reduced.

Some crops show particular symptoms of calcium deficiency, for example, lettuce shows "tip burn" and celery shows "blackheart".

Calcium is not well translocated within the plant. Repeated foliar applications are therefore the most effective treatment. The calcium spray programme needs to start early and continue through to harvest. The early applications (from beginning of flowering) are the most important, however young foliage is most susceptible to scorching from calcium. The formulation of *Solufeed Fo-Cal* is carefully designed to minimise the risk of scorch whilst maximising the delivery of calcium to the plant.

Chemical/physical data

Typical analysis

EC FERTILISER

A liquid formulation containing:

	% w/v	%w/w
Calcium oxide (CaO)	22.5	15.0
Total Nitrogen	14.9	10.0
Nitrate nitrogen	14.1	9.4
Ammoniacal nitrogen	0.8	0.53
Magnesium oxide (MgO)	3.0	2.0
Boron (as polyborate)	0.075	0.05
Zinc (as ZnEDTA)	0.03	0.02

Analytical method Available on request

Appearance Liquid

Solubility in water Completely miscible with water

Directions for use

Outdoor lettuce

In order to prevent tip-burn, it is important that *Solufeed Fo-Cal* is applied directly to the susceptible tissue. For this reason early treatment is essential with applications beginning before head formation and being repeated every 7 - 14 days as necessary.

Rate: 5.0 litres per hectare
Water volume 200 litres per hectare minimum

Apples

Apply in a programme with repeat applications being made every 10-14 days before harvest

Rate: 7 - 14 litres per hectare
Water Volume: 500 litres per hectare (to point of run-off) on small trees, increase pro-rata for larger trees as necessary

- The exact rates and timings can be manipulated to suit local spraying practice, although if scorch occurs reduce rate by a third and reduce spraying intervals to 7 days
- Young foliage is more susceptible to phytotoxicity, so early sprays should be applied at the lower rate and at more frequent intervals to give the same amount over the season.
- Avoid spraying during high temperatures. If temperatures exceed 21°C and spraying cannot be delayed, use the lower rate and apply at frequent intervals to give the same total amount over the season. Spraying in the late afternoon or early evening has been shown to reduce the risk of scorch.

Soft fruit – Strawberries

For best results apply in a programme beginning at flowering. Applications can be repeated every 7 - 14 days as necessary.

Rate:	Maintenance	2.5 litres per hectare
	Deficiency	5.0 litres per hectare

Water volume: 500 - 1000 litres per hectare

Vegetable Brassicas

In general apply *Solufeed Fo-Cal* early in the growing season when there is active growth and sufficient leaf area to absorb the spray. Alternatively, apply as soon as tissue analysis reveals low calcium levels or if deficiency symptoms become visible. Repeat applications at 7 - 14 days as necessary.

Rate:	5.0 litres per hectare
Water volume:	200 litres per hectare minimum

Celery

Calcium deficiency usually occurs in young leaves at the centre of the plant. Applications should begin in the early spring and be repeated every 7 - 14 days as necessary.

Rate:	5.0 litres per hectare
Water volume:	200 litres per hectare minimum

Directions

Fill the spray tank with half the amount of water required, start the agitator and maintain constant agitation. After shaking the container thoroughly, measure out the required amount of *Solufeed Fo-Cal* and add to the tank and then add the remaining water to the correct level.

Maintain agitation whilst travelling and spraying - do not allow the mixture to stand idle without agitation.

Clean the spraying equipment at the end of each spraying day and rinse with fresh water.

Tank mixing compatibility

Solufeed Fo-Cal is physically compatible with many of the pesticides, growth regulators and micronutrients that are in current usage, so is able to be tank mixed when timings coincide. Some tank mix combinations may not be compatible so consult your supplier for latest recommendations.

Biological compatibility may vary depending on seasonal factors, crop conditions and growth stage as well as the tank mix partner, so no recommendations can be given. Always read the product labels and follow the manufacturer's instructions for all products at all times, and if there is any doubt at all, consult the manufacturer concerned.

General information

Packaging: 10 litre polythene drum

Technical service: For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

Precautions

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

Wear suitable protective gloves and face protection (face shield) when handling the concentrate

Wash all protective clothing thoroughly after use, specially the inside of gloves

When using do not eat, drink or smoke

Wash hands and exposed skin before eating, drinking or smoking and after work

Keep away from food, drink and animal feeding stuff

Keep out of reach of children

Do not contaminate ponds, waterways or ditches with chemical or used container

Keep in original container, tightly closed in a safe place

Wash out container thoroughly, empty washings into spray tank and dispose of safely

Do not re-use container for any other purpose

If you feel unwell, seek medical advice (show label where possible)

Protect from frost.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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