



# HydroCal®

## Calcium-Magnesium supplement for liquid feeding

HydroCal is an advanced water soluble plant Cal-Mag supplement developed to provide enhanced nutrition for crops grown hydroponically, in inert media or coco coir. With an elevated profile of high quality macro nutrients, HydroCal can be used to prevent and correct deficiencies throughout the plant life cycle, but is especially beneficial during the vegetative growth stage or when using a RO (return osmosis), 'soft' or purified water source for the plant feed solution.

The HydroCal dry mix is used to prepare a concentrated nutrient supplement solution, which is then added to the plant feed solution. HydroCal has a fully dissolving formulation that helps prevent blockages in irrigation lines, drippers and sprinklers and is compatible with all hydroponic and liquid feed systems. With 200g of HydroCal making 1 litre of concentrated supplement solution, HydroCal is a versatile and extremely economical alternative to ready mixed Cal-Mag supplements.

**NOTE:** Cal-Mag supplementation is rarely required when using Hydrocrop HydroSol® plant feed nutrients. HydroSol contains sufficient calcium and magnesium to prevent deficiencies in all but the most extreme situations.

### Benefits of HydroCal

- ✓ Supports photosynthesis, cell wall structure and general plant health
- ✓ Compatible with all hydroponic and liquid feed systems
- ✓ Simple to use, ideal for both experienced and novice growers
- ✓ Blended with professional grade ingredients for the best nutrition
- ✓ Suitable for 'hardening' return osmosis and soft water sources
- ✓ Fully water soluble with no residue to block drippers and sprinklers
- ✓ Free of any excess salts that can damage plant roots and foliage
- ✓ Formula nutrient analysis provided for transparency and reference
- ✓ Strong resealable bags for easy handling and long product shelf life

### HydroCal

Nitrogen/Calcium/Magnesium  
(NPK: 14-0-0+17CaO+6MgO)  
Chloride and PGR free

Nitrogen total (N)	14%
Nitrate nitrogen (N-NO <sub>3</sub> )	13%
Ammoniacal nitrogen (N-NH <sub>4</sub> )	1%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0%
Potassium (K <sub>2</sub> O)	0%
Calcium (CaO)	17%
Magnesium (MgO)	6%

## Directions for use

**NOTE:** To avoid unwanted precipitation in the nutrient solution, do not mix HydroCal with undiluted plant feeds.

**CAUTION:** The HydroCal dry mix/powder can cause skin irritation and severe eye irritation. Take care when handling the dry mix to avoid any prolonged skin contact and contact with eyes. Avoid breathing in product dust and wash hands after use. Store in original packaging and keep away from children.

## Preparing the concentrated nutrient supplement solution

To prepare 1 litre of concentrated nutrient supplement solution, place 200g of HydroCal dry mix in a 1.5 litre capacity opaque plastic container with a tight fitting lid. Carefully add sufficient water to make up to 1 litre volume, then stir until dissolved. Place lid on container and label the container 'HydroCal'.

The HydroCal dry mix will dissolve most rapidly in lukewarm water.

Shake the package before use to ensure the contents are well mixed.

## Adding the nutrient supplement solution to the plant feed solution

Stir or shake the HydroCal nutrient supplement solution before use, then add to the plant feed solution at a rate of between 1ml and 2ml per litre (therefore a standard 5ml teaspoon of HydroCal solution is sufficient for 2.5-5 litres of plant feed) and stir to mix.

It is advisable to start with the lower dosage (i.e. 1ml of HydroCal per litre of plant feed) and increase only if plants continue to exhibit calcium/magnesium deficiency.

Adding HydroCal to the plant feed solution will increase the overall nutrient strength of the feed. Check that the feed solution EC and pH remain within the desired range, then apply the feed solution to the plants according to the usual feed schedule.

## Product storage

Store the HydroCal dry mix sealed in the original packaging in a cool dry place away from direct sunlight. The HydroCal dry mix is hygroscopic (i.e. it will absorb moisture if left exposed to air). The nutritional performance will, however, not be affected if the product becomes damp due to air moisture.

Store prepared HydroCal solution in an opaque container away from direct sunlight. Storage in a transparent container will encourage microbial growth in the nutrient-rich liquid.

## Disclaimer

The information in this document is provided in good faith, however product application and use are the absolute responsibility of the buyer. It is recommended to trial first on a small scale before any changes to rate, application or other changes in your usual cultivation practices are implemented. As usage circumstances can differ and the application of our products is beyond our control, Hydrocrop cannot be held responsible for any negative results.

### Irritant



Irritating to the skin. Risk of serious damage to eyes. Wear protective gloves and eye protection. Avoid breathing in product dust. Wash hands after use. Keep out of reach of children.

In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

### Produced by

Hydrocrop  
Foxenhole Mill  
Devon EX11 1JT  
UK

[hydrocrop.co.uk](http://hydrocrop.co.uk)



Made in UK