



# HydroPK®

## Phosphorus-Potassium supplement for liquid feeding

HydroPK is an advanced water soluble plant PK supplement developed to provide enhanced nutrition for crops grown hydroponically, in inert media or coco coir. With an elevated profile of high quality nutrients and beneficial trace elements, HydroPK stimulates increased yield in flowering and fruiting plants when applied during the flower/bloom stage of the plant life cycle. HydroPK can be used from the time of first flowering through to crop harvest.

The HydroPK dry mix is used to prepare a concentrated nutrient supplement solution, which is then added to the plant feed solution. HydroPK 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 HydroPK making 1 litre of concentrated supplement solution, HydroPK is a versatile and extremely economical alternative to ready mixed PK supplements.

**NOTE:** PK supplementation is rarely required when using Hydrocrop HydroSol® plant feed nutrients. HydroSol contains sufficient phosphorus and potassium to prevent deficiencies in all but the most extreme situations.

### Benefits of HydroPK

- ✓ Promotes superior crop yield with improved size, weight and taste
- ✓ 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
- ✓ Includes stable chelated micronutrients for efficient uptake by plants
- ✓ 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

HydroPK	
Nitrogen/Phosphorus/Potassium/Magnesium/ Sulphur/Trace Elements (NPK: 2-32-36+2MgO+14SO <sub>3</sub> +TE) Chloride and PGR free	
Nitrogen total (N)	2%
Nitrate nitrogen (N-NO <sub>3</sub> )	2%
Ammoniacal nitrogen (N-NH <sub>4</sub> )	0%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	32%
Potassium (K <sub>2</sub> O)	36%
Magnesium (MgO)	2%
Sulphur (SO <sub>3</sub> )	14%
Boron (B)	0.013%
Copper (Cu) chelated	0.005%
Iron (Fe) chelated	0.035%
Manganese (Mn) chelated	0.020%
Molybdenum (Mo)	0.002%
Zinc (Zn) chelated	0.013%

## Directions for use

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

**CAUTION:** The HydroPK 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 HydroPK 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 'HydroPK'.

The HydroPK 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

Add the HydroPK nutrient supplement solution to the plant feed solution from the time of first flowering/as soon as budding begins, at a rate of between 1ml and 2ml per litre (therefore a standard 5ml teaspoon of HydroPK 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 HydroPK per litre of plant feed) and increase only if plants appear to require additional phosphorus/potassium.

Adding HydroPK to the plant feed solution will increase the overall nutrient strength and lower the pH 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 HydroPK dry mix sealed in the original packaging in a cool dry place away from direct sunlight. The HydroPK 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 HydroPK 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)

