



Technical data sheet

Headland HI-PHOS

Inorganic fertilizer for foliar application

Contains 5.0% w/v magnesium as Mg (8% w/v MgO), 7.4% w/v potassium as K₂O and 44% w/v phosphorus as P₂O₅ formulated as a soluble liquid.

Chemical properties:

Nutrient	Percentage	Form	Origin
Phosphorus	44% w/v (30.55% w/w)	P ₂ O ₅	9.4% w/v is from tri Magnesium diphosphate, 11.5% w/v from Mono potassium phosphate, 23.1% w/v from phosphoric acid
Magnesium	5.0% w/v (3.47% w/w)	Mg	Tri Magnesium diphosphate
Potassium	7.4% w/v (5.14% w/w)	K ₂ O	Mono potassium phosphate

Physical properties:

Aspect: liquid

Color: a clear red liquid

Density: 1.44

Solubility: completely soluble in water

pH of the product: < 4

pH at 1% solution and of the spraying solution: < 5

Uses:

For application to agricultural crops to provide additional phosphorus, potassium and magnesium during periods of peak demand.

Rate: 5-10 litres/ha

Packs per Pallet:

36 x 2 x 10 litres

Introduction:

Headland Hi-Phos is a liquid formulation containing magnesium, potassium and phosphorus in carefully balanced proportions for application to potatoes, cereals, peas, beans, sugar beet and other crops.

Headland Agrochemicals Ltd., Rectors Lane, Pentre Flintshire CH5 2DH, United Kingdom.
Tel: + 44 (0) 1244 537370, Fax: + 44 (0) 1244 532097, enquiry@headlandgroup.com, www.headland-ag.co.uk



**Formulation:**

Headland Hi-Phos is formulated as a soluble liquid for straightforward mixing and application.

Rates of Use and Timing of Application:**Potatoes**

1. To encourage tuber numbers

Apply 10 litres/ha in at least 200 litres of water/ha at tuber initiation.

2. To encourage bulking

Apply 5 litres/ha in at least 200 litres of water/ha at the onset of bulking and repeat at least once during bulking. The timing of the second application should be based on tissue analysis and should not be less than 10 days after the first.

Cereals

Apply 5 litres/ha in at least 200 litres of water/ha at tillering and repeat at 10 -14 day intervals as required. An application between ear emergence and the end of flowering may also be beneficial.

Oilseed Rape

Apply 5 litres/ha in at least 200 litres of water/ha. Apply in the autumn when the crop has 6 - 8 leaves and repeat in the spring at early stem extension.

Peas and beans

Apply 5 litres/ha in at least 200 litres of water/ha when the crop is 10 - 15 cms high and repeat after 10 - 14 days.

Sugar beet

Apply 5 litres/ha in at least 200 litres of water/ha at the 4 - 6 leaf stage. Repeat at 10 - 14 day intervals as required.

Mixing:

Shake the container thoroughly before opening and use. Half-fill the spray tank with clean water, begin agitation, and add the required quantity of Headland Hi-Phos. Add the rest of the water and apply without delay. Maintain agitation while travelling and throughout the spraying operation.

Compatibility:

Headland Hi-Phos is compatible with many foliar-applied crop chemicals. Consult your supplier for the latest information. Alternatively, up-to-date compatibility information is available at www.headland-ag.co.uk.

Do not mix Headland Hi-Phos with Headland PCT, Headland Boron 15%, or any highly alkaline products. Headland Hi-Phos is incompatible with Corbel.

**Storage:**

Store in original container, tightly closed in a suitable store away from food, drink and animal feeding stuffs and out of reach of children. Protect from frost. Store above 5°C. Do not store in direct sunlight or near direct sources of heat.

Safety Precautions:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3) apply to this product.

Hazard symbol: Irritant Xi

Risk Phrase:

R36/38 Irritating to eyes and skin.

Safety Phrases:

S2	Keep out of reach of children.
S26/27	After contact with skin or eyes wash immediately with plenty of water.
S37/39	Wear suitable protective gloves and face protection.
S49	Keep in original container.

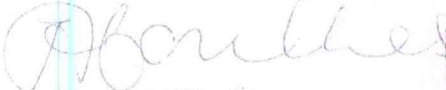
Transport: This product is not classified as hazardous for transport.

Date of latest revision: October 2007

Significant changes since last issue: Updated compatibility information, crops treated and storage advice.

Yours faithfully,


For and on behalf of Headland Agrochemicals Ltd.,


Mrs. Jane Ffoulkes
Technical Manager

HEADLAND AGROCHEMICALS LTD
RECTORS LANE
PENTRE
FLINTSHIRE CH5 2DH
TEL 01244 537370 FAX 01244 532097
CO.REG 1973941 VAT GB424833945

Date: 19th January 2010

Headland Agrochemicals Ltd., Rectors Lane, Pentre Flintshire CH5 2DH, United Kingdom.
Tel: + 44 (0) 1244 537370, Fax: + 44 (0) 1244 532097, enquiry@headlandgroup.com, www.headland-ag.co.uk

 **CHEMINOVA**