

# OMEX pHortify

## FUNCTION

Phosphorus is essential to all plants for optimum yields. Base phosphatic fertilisers often fail to supply the crop with sufficient phosphorus. Factors such as soil type, soil moisture and soil pH can interrupt the supply of phosphorus to the crop especially at critical periods during the development phase.

OMEX pHortify consists of two highly available phosphorus sources, phosphite and phosphate. Chelated manganese and zinc increases natural resistance to infection from some fungal diseases.

## DESCRIPTION

Fully soluble phosphite and phosphate phosphorus source, with zinc and manganese are rapidly taken up and absorbed when applied as a foliar.

Conventional phosphate products will be mobilised in the plant through the xylem. OMEX pHortify will however translocate phosphorus through both the phloem and the xylem and thereby supplying essential phosphorus to the root zone and the crop canopy.



## Analysis of OMEX pHortify

			Wt/Wt*	Wt/Vol
<b>Phosphate</b>		P <sub>2</sub> O <sub>5</sub>	<b>37.00%</b>	61.00%
<b>Potassium</b>		K <sub>2</sub> O	<b>25.00%</b>	41.25%
<b>Zinc</b>	(EDTA)	Zn	<b>0.20%</b>	0.30%
<b>Manganese</b>	(EDTA)	Mn	<b>0.20%</b>	0.30%
pH (10% solution)			4.5-5.5	
Specific Gravity			1.63-1.67 @ 18°C	

\*For registration purposes Wt/Wt concentrations are recommended.

## DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. Measure the required amount of OMEX pHortify and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.



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**DILUTION:** Recommended water rate is 500-1500 Litres per hectare

**Always shake container before opening**



#### OBSERVED BENEFITS FROM APPLYING OMEX PHORTIFY

1. Improved plant nutrient health and disease resistance
2. Improved rooting action
3. Increased fruit set
4. Higher solids content
5. Increased yield
6. Post harvest quality enhancements
7. Improved foliar uptake of cations (ie K, Ca, Mg, Mn)

#### Recommendations for use:

CROP	RATE l/ha	RATE ml/100l	APPLICATION DETAILS
<b>Apples</b>	4.0-8.0	400-800	2-3 applications, 1st spray at 2-4 leaf stage, repeat at 10-14 day intervals
<b>Beans, Peas</b>	4.0	1000	Apply routinely in spring or as deficiency identified
<b>Brassicas, Salads</b>	4.0-8.0	800-1600	2-3 applications, 1st spray at 2-4 leaf stage, repeat at 10-14 day intervals
<b>Carrots, Parsnips</b>	4.0-6.0	1000-1500	Apply routinely in spring, or as deficiency identified
<b>Hops</b>	4.0-8.0	400-800	2-3 applications, 1st spray starting at top wire stage, repeat at 10-14 day intervals
<b>Lettuce</b>	4.0-6.0	1000-1500	Apply 7-10 days after planting, 2nd spray 14 days later
<b>Onions, Leeks</b>	4.0-6.0	1000-1500	Apply at 3-4 leaf stage or as deficiency identified
<b>Potatoes</b>	4.0-6.0	800-1200	1st application 7-10 days after tuber initiation, repeat at 14 day intervals
<b>Raspberries</b>	4.0-8.0	800-1600	2-3 applications, 1st spray at 2-4 leaf stage, repeat at 10-14 day intervals
<b>Strawberries</b>	4.0-8.0	800-1600	2-3 applications, 1st spray at 2-4 leaf stage, repeat at 10-14 day intervals

#### TANK MIXING COMPATIBILITY

OMEX pHortify is compatible with most, but not all, pesticides, growth regulators and micro-nutrients with regard to physical tank mixing and biological effects on the crop. However, OMEX cannot accept any liability for any loss or damage as not all pesticides have been tested and because the efficacy of any mix will depend on, among other factors, the pesticide concerned, crop conditions, growth stage, weather and volumes of water used.

#### PRECAUTIONS

OMEX pHortify should be stored in frost free conditions with optimum storage range between 5-40°C. OMEX pHortify is a non-hazardous and non-flammable foliar fertiliser. Gloves and face shield should be worn when handling the concentrate. In situations of prolonged storage there may be slight settling of the nutrient particles. This is reversible on shaking.

**PACKING:** OMEX pHortify is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with tamper evident closures. 200 and 1000 Litre mini bulk available.

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