

# BioStart PHOS

|                  |                       |
|------------------|-----------------------|
| <b>N</b><br>P.O. | 5.0 % w/w NITROGEN    |
| <b>P</b><br>P.O. | 18.4% w/w PHOSPHOROUS |
| <b>K</b><br>K.O. | 3.0% w/w POTASSIUM    |
| <b>S</b>         | 0.8% w/w SULPHUR      |

An effective starter fertiliser for promoting development of root systems and early plant growth

## BENEFITS OF BIOSTART PHOS

- Develops larger, more vigorous root systems through a unique combination of seaweed derived plant hormones and NPK
- Suitable for various applications to manage the first six – eight weeks of growth
- Added organic matter to improve soil structure and increase nutrient uptake
- Clear (brown) liquid formulation makes it easy to decant into spray equipment, mixing tanks and irrigation tanks

## GERMINATION BOOSTER

BioStart Phos contains critical natural plant hormones derived from a unique seaweed in a ratio which assists in the stimulation of seed germination and root growth. This ratio will work either as a pre plant dip, furrow injection or foliar spray.

## THE ROLE OF NITROGEN

Nitrogen forms proteins and increases the yield of all crops. It is the essential building block of plant structure and is vital to plant growth but can be a limiting factor in uptake of other nutrients. Nitrogen is often leached from the soil therefore regular small applications will ensure efficient uptake without excessive losses.

## THE ROLE OF PHOSPHORUS

Plants need phosphorus at all growth stages particularly in early growth stages. Phosphorus is necessary for cell division and growth within the plant. Phosphorus is mobile within the plant and relatively immobile in soil.

## THE ROLE OF POTASSIUM

Highly mobile in the plant, potassium regulates the turgidity of cell and is important in stomata control. Potassium also maintains cell division, formation of proteins, carbohydrates and fats.



## Application rates

## Suitable for:

Foliar

Fertigation

In Furrow

Pre-Plant Dip

|                          | Rates                      | Dilution | Application Notes  |
|--------------------------|----------------------------|----------|--|
| Beans                    | 5-7 L per Ha               | 1:100    | Apply at 2 leaf stage  |
| Carrots                  | 8-10 L per Ha              | 1:100    | Apply in furrow or up to 2 - 4 days after sowing   |
| Celery/Brassicas         | 5-7 L per Ha               | 1:100    | Soil drench at transplant or emergence. Repeat 7 - 10 days later   |
| Cucurbits                | 6-9 L per Ha               | 1:100    | Apply at emergence or to transplant - repeat at 7 - 10 day intervals as required. Use as a dip for seedlings |
| Cut Flowers (production) | 5-8 L per Ha               | 1:100    | Apply at emergence or transplant   |
| (bulb)                   | 7-9 L per Ha               | 1:100    | Drench bulb at planting - repeat 2 weeks after emergence   |
| Lettuce/Baby Leaf        | 5-7 L per Ha               | 1:100    | Soil drench at transplant or emergence. Repeat 7 - 10 days later   |
| Onions                   | 5-7 L per Ha               | 1:100    | Apply 1 week after emergence - repeat at 7 - 10 day intervals  |
| Pome/Stone Fruit         | 5-7 L per Ha               | 1:150    | Apply at transplant - repeat as required during establishment  |
| Potatoes                 | 8-12 L per Ha              | 1:100    | Apply in-furrow or up to 1 week after planting - repeat 7 - 10 days later                                    |
| Seedlings                | 0.5ml/m <sup>2</sup> Table | 1:150    | Apply at seeding - repeat at 2 leaf stage & again 1 - 2 days prior to sale or transplant.                    |
| Strawberries             | 8-10 L per Ha              | 1:150    | Apply at planting - repeat at 7 - 10 days later  |
| Tomato/Capsicum          | 8-10 L per Ha              | 1:150    | Apply at transplant via fertigation or foliar spray  |

Available in:  
20 Litres  
1000 Litres

NOTE: The suggested rates of application are designed for typical UK conditions and such should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28 C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential

Specific Gravity: 1.25  
Agitate contents well before dilution.

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