



Reg No K6777 \* Act 36 of 1947

**BioPhos Reproductive** is a water soluble biological phosphate **Plant Stress Management**® product. The product is specifically formulated for efficient uptake through the leaf surface of plants. The highly available water soluble Phosphorous results in high plant energy levels due to its specific support of ATP formation in the plant resulting in strong growth stimulation and efficient energy supply for metabolic processes.

**Composition:**

Nitrogen (N).....	13 g/kg
Phosphorous (P).....	37 g/kg
Potassium (K).....	81 g/kg
Zinc (Zn).....	163 mg/kg
Iron (Fe).....	213 mg/kg
Manganese (Mn).....	100 mg/kg
Copper (Cu).....	95 mg/kg
Boron (B).....	22 mg/kg
Molybdenum (Mo).....	31 mg/kg

**Product Properties:**

S.G:	1.2 ± 0.1
pH:	6.5 ± 0.1
Appearance:	Light green

**Plant Stress Management™ Product**

*A Biological Equilibrium Farming Product*



## Product Characteristics:

**BioPhos Reproductive** is specifically developed for use during all growth phases of plants. During the flowering and fruit fill stages in particular (yield stress period) the plant requires a high concentration of available phosphorous in order to supply energy for growth support as well as potassium to ensure quality of the crop. Due to the closure of the stomata during stress, nutrients like phosphorous and potassium are not effectively taken up since there is no transpiration flow to carry the nutrients into and throughout the plant.

**BioPhos Reproductive** is taken up very effectively as a foliar application and in conjunction with **BioKelp** or **DynoCrop** and **FulMax** and simultaneous use has a synergistic effect.

**BioPhos Reproductive** is compatible with most agrochemical products. **It is however recommended that a compatibility drinking glass test be done before mixing with other chemicals.**

## Directions for use: Use only as directed

Spray solution water must be buffered between pH 4.5 and 5.5.

- Use **FulMax** (0.2%, 200ml /100l water) in the spray mixture as wetter/spreader/re-wetter to ensure efficient uptake of the nutrients through the leaf surface.
- Application concentration should never be lower than **0.75% (750 ml per 100l water) for maintenance** applications up to a maximum spray concentration of **3% for rectification of deficiency problems (3l per 100l water)**.

**BioPhos Reproductive** should preferably be applied early in the morning, late in the afternoon or during night time in conjunction with **BioKelp** (1:1 ratio). Do not spray on plants that are wilted – spray during early morning.

Store in a cool dry area

**Optimal application dosage concentration based on dosage response results.**

Total tank concentration should never be lower than 0.75% (750mℓ/100ℓ) and preferably 1 – 1.5% (1 – 1.5ℓ/100ℓ).

Crop	Max rate/ha	Rate /100 ℓ water	Remarks
<b>Pome Fruit:</b> Apples Pears	<b>BioPhos reproductive</b> can be applied at a 1:1 ratio with <b>DynoCrop</b>  Add 100 - 200 mℓ/100ℓ <b>FulMax</b> to improve uptake and efficiency.	Apply 375 - 750mℓ <b>BioPhos Reproductive</b> plus 375 - 750mℓ <b>/DynoCrop</b> per 100ℓ tank solution.	First application 2 weeks after first flush with 10 to 21 day intervals up to end of harvest. <b>50% wetting sufficient.</b>
<b>Stone fruit:</b> Apricots, Peaches, Plums			
<b>Sub-Tropical Fruit:</b> Mango, Avocado, Macadamia, Pecan, Bananas, Litchis			
<b>Citrus:</b>			
<b>Grapes:</b> Table grapes Wine grapes	<b>BioPhos reproductive</b> can be applied at a 1:1 ratio with <b>BioKelp/DynoCrop</b>  Add 100 - 200 mℓ/100ℓ <b>FulMax</b> to improve uptake and efficiency.	Apply 375 - 750mℓ <b>BioPhos Reproductive</b> plus 375 - 750mℓ <b>DynoCrop</b> per 100ℓ tank solution.	First application between flowering and fruit set. Last application no later than veraison for tablegrapes and during the lag phase (berry / pea size) for wine grapes.
<b>Root Vegetable:</b> Potatoes Sweet Potato	<b>BioPhos reproductive</b> can be applied at a 1:1 ratio with <b>BioKelp/DynoCrop</b>  Add 100 - 200 mℓ/100ℓ <b>FulMax</b> to improve uptake and efficiency.	Apply 375 - 750mℓ <b>BioPhos Reproductive</b> plus 375 - 750mℓ <b>BioKelp/DynoCrop</b> per 100ℓ tank solution.	First application 2-3 weeks after germination. Follow up with 14 day intervals.
<b>Other Vegetables:</b> Tomatoes, Peppers			
<b>Grain:</b> Wheat Maize Oats Lucerne Beans Soybeans Canola	<b>BioPhos Reproductive</b> can be applied with <b>BioKelp/DynoCrop</b> and <b>DynoCMZ</b> .  Add 100 - 200 mℓ/100ℓ <b>FulMax</b> to improve uptake and efficiency.	Apply 375mℓ <b>BioPhos Reproductive</b> plus 375mℓ <b>BioKelp/DynoCrop</b> plus 250mℓ <b>DynoCMZ</b> per 100ℓ tank solution	First application 2-3 weeks after germination (4-5 leaf stage). Follow up application 4 – 6 weeks later (flag leaf stage for wheat and stalk borer stage for maize, 8-10 leaf stage for other crops).

- Due to the variation of soil and soil types from area to area, a full recommendation will only be possible once a **soil analysis and 1:2 water extract** analysis has been done.
- Recommendations are also based on requirements for different crop types.

Contact your **Agribrium** representative to obtain a crop specific Plant Stress Management™ recommendation.

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