

## Bio 20

Bio 20 is a 20-20-20 NPK concentrated water soluble suspension containing a unique package of nutrients, biostimulants and micronutrients. Not only ideal as a stand alone fertiliser, Bio 20 also offers a proven track record of superior stress relief and plant health promotion.

### Crops

All agricultural crops.

### Use

As a general foliar feed and plant growth stimulant, particularly in times of stress, or in a regular nutrient management programme to boost a wide range of nutrient levels.

### Pack Sizes

10, 1000 litres



Analysis	w/w	w/v
Biostimulant	18.4%	28%
Nitrogen (N)	13.2%	20.0%
Phosphate (P <sub>2</sub> O <sub>5</sub> )	13.2%	20.0%
Potassium (K <sub>2</sub> O)	13.2%	20.0%
Magnesium (MgO)	1.0%	1.5%
Iron (Fe EDTA)	960mg/kg	1460mg/l
Manganese (Mn EDTA)	480mg/kg	730mg/l
Copper (Cu EDTA)	480mg/kg	730mg/l
Zinc (Zn EDTA)	480mg/kg	730mg/l
Boron	190mg/kg	290mg/l
Cobalt (Co EDTA)	8mg/kg	12mg/l
Molybdenum	8mg/kg	12mg/l

### Bio 20 – Function

Bio 20 provides the benefits of naturally occurring kelp and a balanced combination of macro and micro nutrients. The biostimulants and nutrients found in Bio 20 improve root growth and nutrient uptake to a greater

level than when the two are applied separately. Bio 20 can be used to the best effect when the crop is under stress but specific deficiencies should be treated with the relevant foliar product.

# Bio 20

## Directions for Use

Apply 3 l/ha for most crops or 2-5 l/ha for potatoes, in a minimum of 200 l/ha water.

If the target is small, foliar uptake will be enhanced by the addition of NA13<sup>1</sup>.

The spray tank should be filled with half the required water. After shaking the container, measure the required amount of Bio 20 and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray.

Crop	Timing	Rate l/ha	Comments
<b>Cereals</b>	2-6 leaves to 1st node	3	Apply if soil and weather conditions prevent optimum growth or to relieve crop stress. Promotes root growth and improves uptake of nutrients from the soil
<b>Oilseed Rape</b>	Early spring growth	3	Apply if soil and weather conditions prevent optimum growth or to relieve crop stress. Promotes root growth and improves uptake of nutrients from the soil
<b>Legumes, Vegetables, Grassland, Fruit</b>	As required or when stress is evident	3	Repeat as necessary every 10-14 days
<b>Lettuce module drench</b>	Onto module		Apply 4 ml/m <sup>2</sup> . Boosts plants prior to transplant
<b>Potatoes</b>	3-4 weeks after emergence	2	Promotes root growth and improves canopy cover
	Bulking	5	Follow with 2-3 applications at 14 day intervals once crop meets across the rows
<b>Seedling/module drench</b>	Onto module		2l in 1000l water (2ml/l water). Reduces transplant shock, stimulates rapid field establishment
<b>Sugar Beet</b>	4-8 leaf stage	3	Promotes root growth, protects against stress

## Notes

Bio 20 can also be used as a foliar fertiliser on a wide range of crops to improve crop colour and increase vigour and growth. Visual effects on many crops can be seen within a few hours of application in some situations.

Do not apply in tank mix with pesticides when crop is showing deficiency symptoms, is under stress, or in adverse weather conditions.

For further information on compatibility and tank mixing, and for physical compatibility with pesticides refer to the website [www.omex.co.uk](http://www.omex.co.uk)

<sup>1</sup> NA13 is an adjuvant designed to help with improved adhesion, deposition and penetration of the spray solution on the leaf surface. NA13 should be added at 0.1% of the spray volume, e.g. 100 ml in 100 litres of water. Maintain agitation and apply immediately after mixing.