

Bio 20

Foliar Nutrition - Specialities

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.

Crops

All agricultural crops.

Pack Size

10, 1000 litres

Function of Bio 20

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 best effect when the crop is under stress. However specific deficiencies should be treated with the relevant foliar product.



Analysis	w/w	w/v
Biostimulant	18.5%	28%
Nitrogen (N)	13.2%	20.0%
Phosphate (P ₂ O ₅)	13.2%	20.0%
Potassium (K ₂ 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

◆ 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 NA13¹.

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
Cereals	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
Oilseed Rape	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
Legumes, Field and Root Vegetables	As required or when stress is evident	3	Repeat as necessary every 10-14 days
Grassland	As required or when stress is evident	3	Repeat as necessary every 10-14 days
Potatoes	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
Sugar Beet	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 refer to the section on pages 88-89, and for physical compatibility with pesticides refer to the website www.omex.co.uk

¹ 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. 100ml in 100 litres of water. Maintain agitation and apply immediately after mixing. See page 82 for details.