



Biotechnica

First in Bioagronomy

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BACTOLifeDP104

Unique consortium of beneficial bacteria and fungi

A soluble powder containing a selected range of bacterial and fungal species intended for use both as a soil treatment and for subsequent foliar application. **BactoLife DP104** establishes a population of beneficial microorganisms around the plant, boosting nutrition and providing protection against stress. Use of **Bactolife DP 104** can enable a reduction in the use of chemical inputs such as fertilizers and pesticides.

Why choose BactoLife DP104?

Unlike many other microbial products, **BactoLife DP104** is not based on a 'single strain'. We use a consortium of beneficial microbes (both bacterial and fungal). We advocate a microbial consortium approach because:

- The microbes are known to work synergistically and support the plant in a symbiotic biofilm. This involves strains that fix nitrogen, solubilize phosphorus and sulphur, capture water and breakdown organic matter, among many other beneficial modes of action.
- With so many different soils types and with unpredictable growing conditions, it is unlikely that a single strain of microbe developed from one specific soil will be the optimum one in your soil. Add to this the multitude of different micro-environments that exist in one field and your chances of success with a single strain are much reduced. A consortium minimises this risk. We also include a microbial feedstock in the formulation so that the microbes start metabolising and repopulating the soil around the plant as soon as the product is added in solution.

Application protocols

Apply 0.5kg/ha for soil treatment at pre-sowing or at planting (potatoes/woody crops). The dosage should be higher in soils where the biology is likely to have been degraded; such as from sterilization, fungicide treatment, extremes of pH or flooding.

0.25-0.5 kg/ha for subsequent foliar applications.

BactoLife DP104 is also suitable for 'activation'/'reconstitution' before application. This involves mixing **BactoLife DP104** into a nutrient solution at 30°C and aerating the mix for 24 hours. This process will ensure the dormant microbes are fully metabolising at the time they are introduced. Activated product must be diluted and sprayed immediately and cannot be stored.

Consult your Biotechnica representative for crop specific protocols and more details on microbial activation.

Organic cultivation

Bactolife DP104 is approved for use in organic cultivation by the Organic Farmers and Growers Association.



For more information on any of our products see www.biotechnica.co.uk