



# Biotechnica

## First in Bioagronomy

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# PANBuster

Unique soil wetter with anionic properties

**PanBuster** is a unique product that greatly improves water infiltration and movement down through the soil profile. It frees or exchanges bound hydrogen allowing the colloidal particles to move freely creating micro pores, permitting water to gravitate downwards below the compaction zone. This results in improved structure and reduced waterlogging, which leads to better rooting and more efficient nutrient uptake by the crop.

Use **PanBuster** to:

- Break up compacted hard pans and clods.
- Improve hydraulic conductivity and water infiltration
- Minimise soil erosion and water run off
- Accelerate drainage of floodwaters
- Reduce soil shear strength; i.e. less mechanical power required to penetrate or till the soil

## Application protocols

**PanBuster** is compatible with most agrochemicals, but Biotechnica cannot predict or guarantee mix success for any product; conduct a bucket test to confirm compatibility.

Avoid strong acids.

May increase the effectiveness of herbicides.

Pan Buster is used on hard or compacted soils, soils with a lower hardpan layer and soils prone to flooding.

Apply at 880ml/ha in spring and autumn. Add to 100L of water (half or more of a sprayer tank), mix carefully to avoid excessive foaming, and then add an addition 100L of water.

Application rates may be reduced in subsequent years.

**Spring:** apply **PanBuster** on to ploughed land which is going to be drilled or planted, or apply to seedbeds after drilling or planting.

**Autumn:** Apply **PanBuster** in the autumn on seedbeds before or after drilling. It can also be applied to stubble to be ploughed in later.

Apply **PanBuster** when using Lo-Til systems to prevent water logging and run-off.

In addition to being a stand-alone product, **PanBuster** is also a component of the **Biotechnica Bioagronomy Programme**.

## Precautions

This product is intended for professional agricultural and horticultural use only.

Avoid ingestion or inhalation, wash off skin or any eye contact with plenty of water. Operator should wear goggles and gloves when handling the product and it should be stored in cool dry conditions. Keep sealed in container and secured away from unauthorised users, children, wildlife and pets. Consult Safety Data Sheet (SDS) for further information.

For more information on any of our products see [www.biotechnica.co.uk](http://www.biotechnica.co.uk)