

**“One-step on-truck grinding, fluidising and application of all types of fertiliser in the most efficient, environmentally-safe form.”**



THE QUINSPREAD “FLUIDATOR” IS A TOTALLY NEW APPROACH TO FERTILISER APPLICATION, DEVELOPED BY QUINSPREAD TECHNOLOGIES LIMITED AND ENGINEERED AND BUILT ENTIRELY BY N.T. WEALLEANS LIMITED, HINUERA.

Solid fertiliser is delivered in the twin “FLUIDATOR” units attached to the rear of a purpose-built twin-chain hopper which incorporates a quick-fill central water tank, providing a low centre of gravity for maximum stability.

The twin “FLUIDATOR” units grind the fertiliser or fertiliser mix as required, mix it with the desired proportion of water (typically 5-20%, depending on the product), add any liquid or solid performance additives as required, then spread the fertiliser very evenly via twin spinners.

Unlike suspension or liquid systems, the “FLUIDATOR” system requires no additional support vehicles or store-based tanks or equipment, and, equally important, no additional labour units. The driver simply fills up the hopper with solid fertiliser as normal, drives to the farm, fills the rapid-fill water tank from any available source, and starts spreading. No fuss, no bother!

The purpose-built, easy-to-use computerised control system installed in the cab enables the driver to select exactly the right degree of grinding and proportion of water required for the particular product.

## AGRONOMIC AND ENVIRONMENTAL BENEFITS

Nitrogen products, and particularly urea, have been shown in scientific trials to be far more efficient when applied in wetted, fine form. The combination of this and the use of inhibitors, such as the Agrotain urease inhibitor used in SustaiN, provide for dramatic increases in efficiency of conversion of fertiliser N to dry matter response. Hand-in-hand with this goes greatly reduced losses of N to the environment, both as gas emissions and leaching. The “FLUIDATOR” increases farm profitability while protecting the environment. Truly a win-win situation!

Soluble phosphate fertilisers such as superphosphate and DAP are susceptible to costly and environmentally-damaging losses in run-off when rain or irrigation follows in the weeks following application in solid form. Super can also be very dusty. The “FLUIDATOR” minimises these losses by incorporating sufficient water to allow the fertiliser particles to penetrate the soil surface, greatly reducing the risk of dissolution into run-off water.

Fine, dusty products such as RPR can be spread without the traditional dust-drift with the “FLUIDATOR”, maximising the advantages of this natural, organic-approved product. And, with the “FLUIDATOR”, gone are the days of enormous dust-clouds with lime application. There is no need to use expensive granular lime to control dust when you use the “FLUIDATOR”!

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## QUINSPREAD “FLUIDATOR”

- One-step grinding, fluidising and application
- No extra labour or equipment needed – load anywhere
  - Optimises response from urea or SustainN
  - Minimises nutrient run-off into waterways
    - Perfect for dusty RPR and lime!
  - Spreads dry fertiliser too, if required

**“FLUIDATOR” – THE FUTURE FOR FERTILISING**



**QUINSPREAD**  
TECHNOLOGIES LIMITED

CONTACT DETAILS

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