



# Dairy Pasture EcoNomics *for Nutrient Use Efficiency*

## Tnue CRM Technology

Tnue control-release membrane (CRM) technology uses a flexible membrane to encapsulate an N granule. The membrane shields the N from loss mechanisms, releasing it when the plant needs it most. Backed by independent research, shown to deliver >20% NUE, 20-30% more dry-matter.

### Tnue Smartfert EcoNomic Benefits

---

Enhanced nutrient use efficiency by delivering nutrients when the plant demands them. More to the plant means reduced N losses.

Improve plant yield and quality demonstrated through over a decade of pasture & crop of testing by independent, third-party researchers.

Provides convenience through ease of use. Less frequent applications gives you more time. Tnue CRM technology is a smarter way to grow.



# >20%

## Nutrient Use Efficiency

Tnue Smartfert is tailored for New Zealand conditions releases N based on the two requirements for plant growth: moisture and temperature. Moisture creates an N solution inside the membrane, and the solution moves through the membrane at a rate based on soil temperature. The movement and rate match the N demand of the growing plant. Tnue Smartfert® delivers superior performance with release control across temperature and moisture variations. Pasture trials demonstrate >20% NUE and 20-30% more dry-matter per kg of applied N.

### TNUE SMARTFERT HAS BEEN SHOWN TO INCREASE GRASS GROWTH IN A RANGE OF CONDITIONS

Designed for broadacre and pasture applications, Tnue Smartfert delivers superior plant growth per kg of nitrogen applied. Tnue Smartfert provides increased efficiency, with a single application lasting 60-90 days applied at lower rates per hectare than urea.

### HOW TNUE SMARTFERT DELIVERS ECONOMIC BENEFITS

Tnue's control release membrane encapsulates the urea. Fertiliser nutrients slowly diffuse through nano pores at a rate-controlled by temperature and the thickness of the membrane. Once the nutrients are released the control release membrane breakdowns into soil particles.



**FIND OUT HOW TO  
PLACE AN ORDER**



**GROW SMARTER WITH  
TNUE SMARTFERT**