

one
system
OPTIMISING NITROGEN EFFICIENCY

BENEFITS
MULTIPLE
BENEFITS



NZ DAIRY FARMERS' BIGGEST CHALLENGE

Environmental policy is driving unprecedented demand on NZ dairy farmers for alternate methods of nitrogen application.

Our farmers are facing a unique challenge to find proven solutions that will produce effective grass growth while reducing overall nitrate levels evidenced in *Overseer*.

In some instances, if farmers do not find an effective solution, it could impact on stocking rates, their balance sheet and consequently the financial viability of their farming business.

one system

Introducing **ONEsystem**[®], a unique, patented technology for optimising fertiliser performance.

ONEsystem[®] optimises fertiliser nitrogen efficiency and substantially reduces both farm expenditure and nutrient loss to the environment.

ONEsystem[®] has been extensively tested on farms in Taranaki, Canterbury, Otago and Southland in New Zealand, and Gippsland in Victoria, Australia.



MORE ACCURATE

ONEsystem[®] uses advanced GPS and spreader technology that allows you to define spread boundaries and leverage section control to vary the application on either side. Accurate proof of placement mapping ensures transparent reporting. This ensures safe and accurate spreading, protecting waterways and pathways, reducing waste and improving the environment.



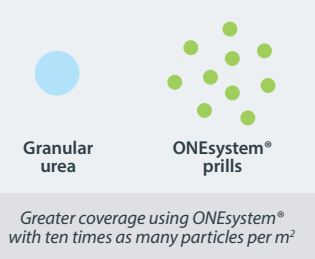
MORE EFFECTIVE

ONEsystem® is a totally new way of applying urea to pastures. The system utilises prilled urea rather than granular urea providing greater coverage, with ten times as many particles per square metre. The wetting of the prills with NBPT as it exits the spreader, ensures they adhere to the plant leaves allowing direct folia uptake of urea while minimising ammonia volatilisation.

MORE AFFORDABLE

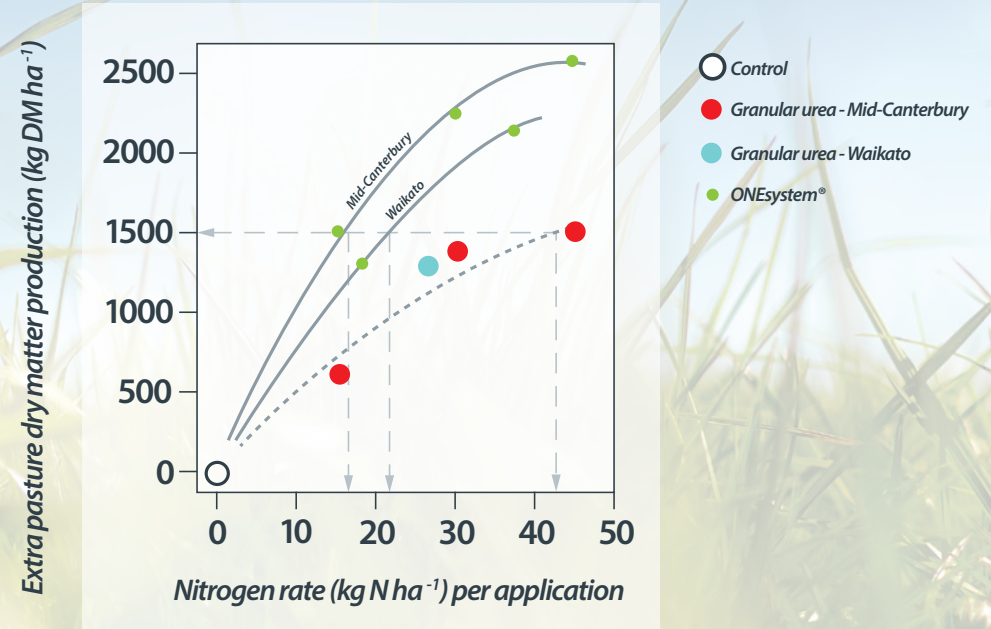
With accurate application maps that enable you to selectively apply only what's needed, where it's needed, **ONEsystem®** is estimated to be 30-40% cheaper than traditional methods.

With a patented wetting system that provides improved folia uptake, you'll need approximately half as much N to get the same DM response as granular urea.



**ESTIMATED
30-40%
CHEAPER**

Results from independently conducted trials under grazing (Normal N application rates)



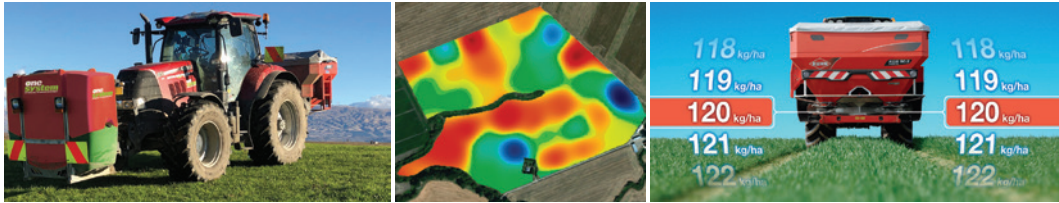
To gain an extra 1500kgDM/ha, required:

- 4 x 43 kgN/ha (172kgN/ha) with granular urea
- 4 x 23 kgN/ha (92kgN/ha) with ONEsystem in Waikato
- 4 x 17 kgN/ha (68kgN/ha) with ONEsystem in Mid-Canterbury

These represent NUE (Nitrogen Use Efficiency factors of 8.7, 16.3 and 22.1kg extra DM/kgN respectively

(From Quin et al, NZ Grasslands Journal, 2015)

AND **MORE** SUSTAINABLE



ONEsystem[®], multiple benefits!

ONEsystem[®] is a unique new system designed to optimise fertiliser efficiency, resulting in farmers growing the same amount of grass with 50% less N applied. In achieving this, it substantially reduces farm expenditure and nutrient loss to the environment. This has substantial benefits to New Zealand dairy farmers' environmental performance in *Overseer*.

And the combination of those benefits makes for a system that's more affordable, more accurate, more effective and as a consequence...
MORE ENVIRONMENTALLY-FRIENDLY.

**GROWING
THE SAME
AMOUNT OF
GRASS WITH
50% LESS
N APPLIED**

OUR PARTNERS

The sum of the parts is a unique system that brings together three reputable brands to apply your fertiliser selectively, accurately and efficiently.



The system has been designed using local research and knowledge, and as such is particularly effective used on New Zealand farms.

Additionally, you'll enjoy service and support from a local representative with in-depth knowledge of ONEsystem[®].





**one
system**
OPTIMISING NITROGEN EFFICIENCY

FIND OUT MORE

Keen to learn more about **ONEsystem**[®]
We'd love the opportunity to show you more
and to explain the system in detail.

Call today...

Rowan Brown 022 428 1766

We'll be happy to come and see you!

**one
system**
OPTIMISING NITROGEN EFFICIENCY