

# Energise your Seed

32% bigger plants with Optimised®

## Optimised® and RAPPEL® seed enhancement technologies.

Available across all cultivars

### Optimised®

A proprietary blend of seed enhancers

Trials have shown:

- Faster establishment
- Increased plant population
- Increase in plant mass

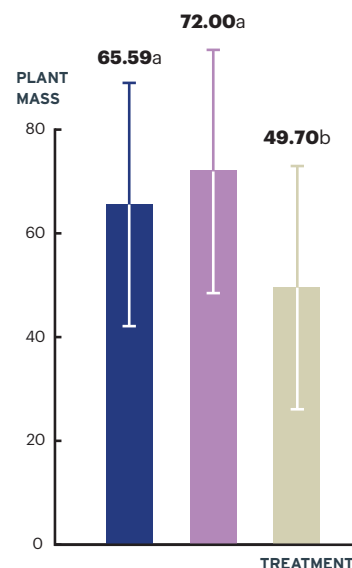
### RAPPEL®

- Add RAPPEL® & Poncho® for establishment protection from slugs, ASW, black beetle and grass grub.
- Ideal for direct drilling
- Individual seed protection
- Improved environmental outcomes compared with slug bait

## Optimised® pasture growth trial 2019:

50 plants of Optimised®, RAPPEL® and Untreated were hand sown and grown for 120 days. Plants were dug, washed and with fresh root and shoot mass measured.

- 32% bigger plants with Optimised®
- 44% bigger plants with RAPPEL®
- Both Optimised® and RAPPEL® were significantly different from untreated.



TREATMENT	PLANT MASS
Optimised®	65.59a
RAPPEL®	72.00a
Untreated	49.70b
Std Dev	23.43
P	0.0

Means that do not share a letter are significantly different. A One-way ANOVA was performed on fresh root and shoot weight. A Fishers protected LSD test performed to differentiate the means of the treatments.

## PRESTO<sup>Optimised®</sup>

### Diploid Italian Ryegrass

- Dynamic establishment speed
- Impressive winter yield
- Improved recovery from grazing
- 8-18 month longevity
- 25kg/ha sowing rate

## PRONTO<sup>Optimised®</sup>

### Tetraploid Italian Ryegrass

- High silage yield
- Suited to rotational grazing
- Clover compatible
- Annual winter yield with longer persistence
- 25kg/ha sowing rate

## T100 Wintermax<sup>Optimised®</sup>

### Winter Active Cereal

- Very high-yielding from April-May sowing
- Ideal after maize
- Silage or grazing options
- High soil nitrogen uptake
- 150kg/ha sowing rate

## Contacts

**Matt Hathaway**  
matth@hnt.co.nz  
027 642 2123  
Bay of Plenty

**Fraser Dymond**  
fraserd@hnt.co.nz  
027 642 2944  
Waikato, King Country

**Martin Johnson**  
martinj@hnt.co.nz  
027 465 6037  
Waikato

**James Buckley**  
jamesb@hnt.co.nz  
027 642 2955  
Taranaki, Manawatu

**Eddie Walker**  
eddie@hnt.co.nz  
027 537 4866  
Manawatu

**Fred Milford-Cottam**  
fredm@hnt.co.nz  
027 642 0015  
Feilding

**Ken Smith**  
kens@hnt.co.nz  
021 461 466  
Manawatu

**Dave Treder**  
davet@hnt.co.nz  
027 642 2922  
Taranaki

**Jacob Smith**  
jacobs@hnt.co.nz  
027 642 2001  
Wairarapa

**Sam Black**  
samb@hnt.co.nz  
027 462 0176  
Wairarapa

**Mat Dorward**  
matd@hnt.co.nz  
027 642 2957  
Hawkes Bay