

## Key Features

- Summer, autumn and winter feed option
- Ready to graze in 10-12 weeks
- High quality feed
- Excellent regrowth potential – up to 4 bulk grazings
- Outstanding tolerance to dry conditions
- Deep tap root
- Can be autumn-sown for winter feed

# WINFRED

## FORAGE BRASSICA



## Performance

**Table 1.** The value of Winfred forage brassica as summer feed in sporadic rainfall zones

Source: Chris Houghton Agricultural, NSW.

Measurement	Winfred brassica	Phalaris/sub pasture	Italian ryegrass
<b>Total DM produced (kg DM/ha) at 16 weeks post sowing</b>	4330	3059	3890
<b>In-Crop rainfall (mm)</b>	140	140	140
<b>Water Usage Efficiency (kgDM/ha/mm)</b>	31	22	28
<b>Typical Energy Value (MJME/kgDM)</b>	12.0	10.5	10.5
<b>Energy per millimetre rainfall (MJME/ha/mm)</b>	372	231	294
<b>Calculated liveweight Gain per millimetre rainfall (kgLW/ha/mm) *</b>	4.4	2.7	3.5
<b>\$/ha/mm rainfall **</b>	\$7.92	\$4.86	\$6.30

Assumptions:

\* 30 kg lamb will require 17MJ ME/day to gain 200 grams of liveweight.

Source: *Livestock Feeding on Pasture*, New Zealand Society of Animal Production, Occasional Publication No. 10, 1987.

\*\* Liveweight lamb price of \$1.80/kg.

## Summary

- In a tough, dry season in 2007, a newly sown Winfred forage brassica crop produced more energy and dry matter for every millimetre of rain that fell during its in-crop time, compared to Phalaris/sub pasture.
- Winfred is highly efficient at using minimal in-crop rain.
- The use of Winfred to produce a bulk of feed on minimal moisture allows you to strategically fill gaps throughout the year.
- Winfred forage brassica provides easier weed control as part of the preparation for sowing perennial pasture in the autumn.

## Winfred / Winfred Plus planning and grazing checklist

### Paddock selection ...

- Use for pasture renovation, cereal break-crop
- Ensure livestock have access to a clean water supply
- Run-off paddock nearby
- Weed and fertility issues addressed

### Preparation ...

- Fine, firm, moist seedbed
- 1-2cm planting depth achievable

### Sowing ...

- Conventional or direct-drilling
- With or without herbs & clovers
- Seed treatment, fertiliser application
- Refer to your supplier for sowing rates appropriate for your conditions.

### Sowing time ...

- 12 weeks before feed required
- Can be sown from early August onwards in appropriate environments

### Grazing ...

- Crop has reached maturity (10-12 weeks)
- Slow stock introduction
- Diet supplemented with another feed sources (animal intake for brassicas should not be greater than 33% for dairy, 70% for beef cattle and lambs can consume up to 100%)
- Monitor animal health

## Key Features

- High quality feed in 10-12 weeks
- Excellent regrowth ensures multiple grazings
- Can be sown as a high quality supplement to forage sorghum in summer
- Sow in early autumn for bulk quality feed into winter as an alternative to oats
- Suited to both dryland and irrigated soils
- Suitable for beef, sheep and dairy grazing

# WINFRED

## FORAGE BRASSICA PLUS

... extending the growing season

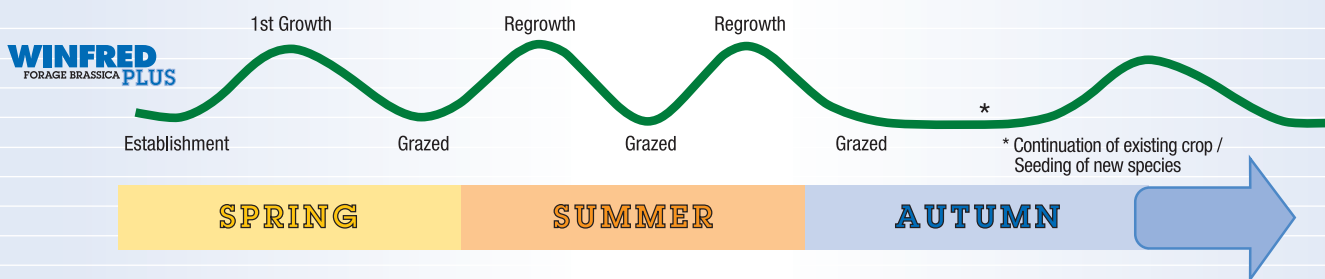
Brassicas provide bulk forage crop options for a range of farming systems. Herbs, **Tonic** plantain and chicory are being more widely used for their year-round production of high quality feed.

Combine brassicas and herbs together and the outcome is a system that has the potential for large volumes of quality feed. The residual crop gives a good foundation for oversowing of grasses for longer-term pastures.

Grazing herbs such as **Tonic** plantain and chicory are well suited to growing with brassica crops, not to mention pastures. They offer additional benefits to livestock when sown with single species brassica crops or conventional grass-based pastures.

**Winfred Plus** is a premium blend of **Winfred** forage brassica, **Grouse** chicory and **Tonic** plantain. The **Winfred Plus** mix provides high quality feed into the season when traditional pastures start to lose quality and quantity, and provides an extended growing season which is ideal for finishing stock.

## Winfred Plus Grazing Guide



## PGG Seeds Territory Managers

### Dick Evans

Southern VIC, TAS, SA, WA,  
0418 579 220,  
dick.evans@bigpond.com

### Sven Koljo

Northern VIC, Southern NSW,  
0427 772 488,  
skoljo@pggseeds.com

### Dean Baker

QLD & Central NSW,  
0407 263 826,  
dbaker@pggseeds.com

### Charlie Roberts

Northern and North Coast NSW,  
0427 496 032,  
croberts@pggseeds.com

## Suppliers & Distributors

PGG Seeds cultivars are available from all quality seed suppliers and are proudly distributed by:

### Auswest Seeds NSW & QLD

Armidale 02 6772 2343  
Forbes 02 6852 1500  
Brisbane 07 3272 9577

### Stephen Pasture Seeds

VIC, SA 03 5335 8055

### Smyth Seeds

VIC 03 5762 5288

### Roberts Ltd

TAS 03 6393 6060

### Irwin Hunter & Co

WA 08 9383 4708



For further information check out the latest comprehensive PGG Seeds Brassica Book available from your local quality seed supplier.

# PGG seeds

For further information & advice contact one of our territory managers  
or visit our website [www.pggseeds.com](http://www.pggseeds.com)

This information has been checked for accuracy and published in good faith. However PGG Seeds accepts no responsibility expressed or implied for misuse of information in this publication.  
This information may not be reproduced without the expressed written permission of PGG Seeds. © PGG Seeds, 2008.