

#### Brassica | Forage Rape



Ultrastrike® film coat seed recommended

USES:









3-6kg/ha



500mm pa

BEEF

AIRY SHEE

**SOWING RATE** 

**RAINFALL / IRRIGATION** 

# Goliath® is a high yielding, multi-purpose forage rape that fits all farm systems.

- Ready to graze in 90-120 days
- Hardiness that suits the Australian environment
- High quality feed
- Excellent animal productivity
- Very good Aphid tolerance

#### Background

Forage rapes have been a valuable tool for temperate pasture systems in Australia for many years. They provide high volumes of extremely high quality feed at a time of year when the feed quality of pasture is starting to decline and this may coincide with when livestock are not quite in a condition for selling – lambs especially.

A lot has been learnt about how to best manage and utilise forage rape crops to minimise animal health complications and at the same time, achieve the greatest animal productivity returns possible from such a high quality feed.

Forage rapes offer the added benefit of being a valuable tool in a renovation programme. Because of the time of year that a forage rape traditionally gets sown, it allows for a good 'knockdown' herbicide to kill off all weeds that are actively growing prior to seed set. Forage rape also offers the potential for a disease break crop due to its natural bio-fumigation activity that most brassica species offer. By implementing a full renovation programme farmers benefit in both the short term and the longer term.

#### **Grazing Management**

Goliath is a 'giant' type rape and the maturity, as a general rule, is later than that of the intermediate types (Titan) which can be a challenge in some years when rainfall is limited in a dryland situation. However, unlike older varieties of forage rapes where the leaves/leaf margins are required to turn the characterised purple/bronze, Goliath's leaves stay a green colour. Goliath rape should still be grazed at the required grazing period of 90-120 days after sowing to maximise animal performance and limit the possibility of animal health issues whilst grazing the crop.

Animals should never graze an immature rape crop because of potential animal health risks. New generations of forage rape bred by PGG Wrightson Seeds have all, regardless of its parentage, been bred with the grazing animals as part of the breeding programme. This is to ensure that the production benefits of both the Goliath forage rape crop and the grazing animal are achieved.



## Grazing management continued

New leaves appear from each node on the stem and if the central stem is maintained after grazing, excellent re-growth can occur on Titan forage rape crops. Even though it is optimal to maintain the central stem to maximise re-growth, Titan forage rape has been developed to re-grow from hard grazing to ground level.

#### Trial data

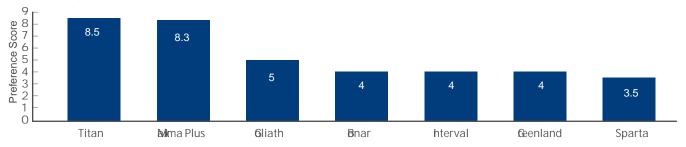
\*O DPNQBSBUJWF FWBMVBUJPO USSJUBBMOT EDIPNOPECYTOWSFEEUJFOT /FFYXD FFWBMMFBOOLE other forage rape varieties.

Rotational graing of a forage rape crop

Typical aphid infestation of forage rapes

## Stock grazing preference of di erent forage rapes

(The higher the score the better)



Trial conducted at the Kimihia Research Centre, canterbury. Sown on 25 November, 2007, and visual preference scores taken after the second harvest on April, 2008.

Titan - Fast Facts					
Class of Stock	Beef, Sheep, Dairy	Coating recommended	Ultrastrike®		
Sowing Rates	3-6kg/ha	Flower Heading Dates	n/a		
When will feed be available	70-90 days	Ploidy	n/a		
How can it be used	Winter Feed, Summer Feed	Endophyte	n/a		
Rainfall guide	Minimum 500mm rainfall per annum unless irrigated				

#### Legend

The following icons have been developed to highlight the individual on-farm uses of PGG Wrightson Seeds products. When icons appear in blue in the listings they are relevant to the product.



## Lets Grow Together

Planning your forage and seed requirements in advance can make a big di erence to your productivity. For over 75 years PGG Wrightson Seeds have been working with farmers to get the balance right. To discuss your growth plans call your Pasture Specialist now on 1800 619 910.