

# VORTEX ANNUAL RYEGRASS



500mm+



4.8-8.0



Most Soil Types



PBR

## KEY FEATURES

- Mid-late flowering, tetraploid annual ryegrass
- Australian bred by Heritage Seeds – giving excellent adaptation
- Quick to first grazing
- High autumn/winter/spring growth – maximum production March - November
- Fast re-growth/recovery after grazing
- Good quality
- Good heat tolerance
- Good rust resistance



## DESCRIPTION

Vortex is a mid to mid-late flowering tetraploid annual ryegrass. It has high autumn/winter and early spring dry matter production. It has extremely good seedling vigour. It is a true Westerwolds type. Leaves are broad and deep green in colour.

## APPLICATION

Vortex has been extensively merit tested since 2009 throughout south-eastern Australia. It will be suited to all environments where annual ryegrass is presently grown. It will particularly suit producers requiring fast establishment, early grazing, cool season performance and silage and hay production. This will suit autumn/winter dairying, fat lamb production, beef production and early-mid season silage production.

## PERFORMANCE

Compared to other commercial cultivars, Vortex has exhibited good overall yield. The performance of Vortex is particularly strong through autumn/winter and early spring when feed on farm is most valuable. Rust can be important for feed quality and stock acceptance. Vortex shows above average rust tolerance.

## VARIETY MANAGEMENT / AGRONOMY

Sow from February - June, when moisture available.

750mm+ / irrigation	25-35kg/ha
750 - 600mm	20-25kg/ha
<600mm	15-20kg/ha

(Higher sowing rates will increase yield and allow earlier grazing).

- Graze when seedlings resist pulling, tearing the leaves instead; typically 5-8 weeks after sowing.
- Excellent option for over-sowing run-out pasture to give a further year of performance. Over-sow at 15-20kg/ha for most applications.
- Useful to consider sowing with annual clovers such as Bolta Balansa or Laser Persian.
- Mix with forage cereals in a 4:1 ratio (e.g. 80kg Galileo oats: 20kg Vortex) for maximum fodder conservation cropping.



## PERFORMANCE

### All trials (2009-2011)

	Seedling vigour	Autumn yield	Winter yield	Early spring	Late spring
<b>Vortex</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3</b>
Maximus	3	3	4	4	3
T-Rex	2	2	4	3	3
Adrenalin	4	4	3	3	3
Tetila	2	4	4	3	1
Winterstar	4	4	3	3	4

1 = Site Mean Yield less than 91%

2 = Site Mean Yield between 91% and 97%

3 = Site Mean Yield between 97% and 103%

4 = Site Mean Yield between 103% and 109%

5 = Site Mean Yield greater than 109%

## RUST TOLERANCE RATING

Variety	Average 2010/2011 Score (1-9) 1= poor
<b>Vortex</b>	<b>5.3</b>
Arnie	4.8
Maximus	5.4
T-Rex	6.3
Adrenalin	3.9
Tetila	4.5
Winterstar II	4.3

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