

# Valley

## DIPLOID PERENNIAL RYEGRASS *Lolium perenne*



<b>Seeding Rate</b>	<b>kg/ha</b>
Dryland	8 - 14
High Rainfall/Irrigation	20 - 25

<b>Seed Treatment</b>	None/XLR8™ optional
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**Description**  
A very early flowering (-17 days) perennial ryegrass of Kangaroo Valley germplasm, selected for excellent winter growth

**Market Segment/Target**  
Beef, sheep and perennial pasture

**Features**  
Winter active  
Summer dormant  
Very early heading

**Benefits**  
Suited to dry environments  
Seeds down freely  
Low maintenance  
Heading date -17 days

<b>Range</b>	
Low Bloat™	N
Super N Fixer™	N
XtraLeaf®	N

<b>SEED AGRONOMY TABLE</b>	
Maturity	Early
Hard Seed Level (description)	N
Waterlogging Tolerance	N

**ESTABLISHMENT GUARANTEE™**  
At S&W Seed Company Australia we're so confident about our seed genetics and seed quality, we will replace seed at half the original purchase price if it fails to establish satisfactorily in the first thirty days\*

**STRENGTHS**  
Easily established  
Highly productive and nutritious under grazing  
Moderate winter and summer growth  
Rapid regrowth

**LIMITATIONS**  
Requires moderate to high soil fertility  
Does not withstand heavy grazing pressure through drought  
Susceptible to cockchafer and cricket damage  
Standard endophyte can cause stock health issues

**PASTURE TYPE AND USE**  
Grazing and fodder conservation. Most widely sown pasture grass in temperate regions.

**WHERE IT GROWS**  
**Rainfall:** Greater than 550 millimetres+.  
**Soils:** Medium-heavy, moderate-high fertility (eg. Olsen P is greater than 12, 0 to 10 centimetres). Tolerates slight salinity.  
**Temperature:** Cold and frost tolerant, growth constrained by high temperature.

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## PLANT DESCRIPTION

**Plant:** Densely tufted, multi-tillered perennial with fibrous root system.

**Stems:** 30 to 90 centimetres.

**Leaves:** Fine (approximately equal to 7 millimetres), dark green, hairless, under surface shiny, blade folded about mid-rib in young shoot, leaf-base usually dark red.

**Seeds:** Fawn, flat, awnless, approximately equal to 6 millimetres long. Approximately equal to 520,000 per kilogram (diploid cvv).

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## ESTABLISHMENT

**Grasses and/or Cereal:** Perennial ryegrass.

**Legumes:** White clover, medics and sub clover.

**Sowing/Planting rates in mixtures:** 5 to 10 kilograms per hectare.

**Sowing/Planting rates as single species:** 10 to 25 kilograms per hectare.

**Sowing time:** Autumn and Spring.

**Inoculation:** P and possible N at sowing.

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## MANAGEMENT

**Maintenance fertiliser:** Requires fertile soil to persist. Approximately equal to 10 kilograms P per hectare. Monitor S, K, Cu especially. Supply N by clover/fertiliser. Maintain Colwell P approximately equal to 30 (WA), Olsen P is greater than 12.

**Grazing/Cutting:** Tolerates close, continuous grazing except if drought stressed. Graze at 2.5 to 3 leaf stage to optimise yield under rotational grazing. Well suited to hay/ silage.

**Ability to Spread:** Will spread if allowed to seed.

**Weed Potential:** Widely naturalised on fertile soils in temperate Australia.

**Major Pests:** Red and black-headed cockchafer, black field cricket, white-fringed weevil, African black beetle, corbies, underground grass caterpillar.

**Major Diseases:** Crown rust, stem rust, barley yellow dwarf virus, ryegrass mosaic virus.

**Herbicide Susceptibility:** In considering selective herbicides consider the stage of growth of the ryegrass and what non-target companion species are present.

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## ANIMAL PRODUCTION

**Feeding value:** High nutritive value.

**Production Potential:** High yields; highly responsive to fertiliser and irrigation.

**Livestock Disorders/Toxicity:** Cultivars with wild endophyte can cause perennial ryegrass toxicosis and ill-thrift. Bacterial infection of seedhead can occasionally occur and result in ergot poisoning



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