

# Jumbo

## WHITE CLOVER *Trifolium repens*



<b>Seeding Rate</b>	<b>kg/ha</b>
Dryland	3 - 4
High Rainfall/Irrigation	5 - 8

<b>Seed Treatment</b>	Goldstrike®
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**Description**  
Late maturing 'Ladino' type

**Market Segment/Target**  
Grazing and hay production

**Features**  
'Ladino' type with large leaves  
Good seedling vigour  
Excellent recovery from grazing

**Benefits**  
High heat tolerance gives 'year-round' production  
Highly digestible feed for elite animal performance  
Large leaf type fantastic for fodder conservation

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

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

### 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

High nutritive value and year  
Round growth  
Well adapted to grazing

### LIMITATIONS

Vigour limited by viral diseases  
Low tolerance to summer moisture stress

### PASTURE TYPE AND USE

Most productive perennial for high rainfall/irrigated pasture; can maintain presence through ability to recruit seedlings. Vigorous growth in spring/summer can facilitate considerable nitrogen fixation by dominant stands.

### WHERE IT GROWS

**Rainfall:** Greater than 700 millimetres.

**Soils:** Suited to a wide range of soil pH less than 4.5; optimum 5.3. Tolerates low exchangeable aluminium and poorly drained soils. Well suited to peaty soil.

**Temperature:** Cold and frost tolerant. Optimum range, 18 to 30°C.

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## PLANT DESCRIPTION

**Plant:** Rhizomatous, prostrate perennial with stolons from crown rooting at nodes. Some stolons may be buried.

**Stems:** Smooth, hairless. Stipules short, needle-point on bluntish end. Spherical seed head.

**Leaves:** Trifoliolate, leaflets oval or heart shape may have light crescent mark on upper side. Smooth, hairless.

**Flowers:** 30 to 40 white/seed head; dense clusters on long stalk; globe shaped to 2.5 centimetres diameter; pale pink/white, fade to brown.

**Pods:** Small, oblong pods containing 3 to 4 seeds.

**Seeds:** Brown/yellow; egg/heart-shape; approximately equal to 1.6 million per kilogram.

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## ESTABLISHMENT

**Grasses:** Most temperate and subtropical spp. including perennial ryegrass, phalaris, tall fescue, kikuyu, paspalum, Rhodes grass and Setaria.

**Grasses and/or Cereal:**

**Legumes:** Strawberry clover, red clover and sub. clovers.

**Sowing/Planting rates in mixtures:** 0.5 to 2 kilograms per hectare. Ensure seed is Goldstrike® treated.

**Sowing/Planting rates as single species:** 3 to 8 kilograms per hectare; sow at 5 to 15 millimetres into a clean, finely worked seed bed and roll. Ensure seed is Goldstrike® treated.

**Sowing time:** Autumn or Spring.

**Inoculation:** Goldstrike® treated. The use of Goldstrike® XLR8™ seed treatment is recommended to reduce damage from insects at seedling stages.

**Fertiliser:** Correct any nutrient deficiencies, especially K, P, Mo, S, Cu, B.

**Herbs:** Plantain, chicory.

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## MANAGEMENT

**Maintenance fertiliser:** For optimum growth Olsen soil P greater than 15.

**Grazing/Cutting:** Very suitable for silage/hay. Excellent cattle pasture. Can be grazed hard but is susceptible to sustained heavy grazing by sheep in dry conditions; densely stoloniferous but varies with cultivars, small leaved cultivars are less susceptible.

**Ability to Spread:** Recruits seedlings well; cattle effectively spread seed via dung.

**Weed Potential:** Moderate on disturbed land free of competitive species only. Prolific seed set and some hard seed dispersed by livestock.

**Major Pests:** Red legged earth mite, lucerne flea, corbies, cockchafers, webworm, nematodes, cutworms, budworms, reticulated slug.

**Major Diseases:** Fungal: Clover rot (*Sclerotinia trifoliorum*) Wart disease (*Physoderma trifolii*). Viral: Alfalfa Mosaic Virus, White Clover Mosaic Virus, Clover Yellow Vein Virus. Mycoplasma: Phyllody.

**Herbicide Susceptibility:** A wide range of weeds may be encountered. When choosing selective herbicides, consider the stage of growth of the white clover and what non-target companion species are present.

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## ANIMAL PRODUCTION

**Feeding value:** High; nutritive value decline with maturity is considerably less than for most other species.

**Palatability:** Readily consumed by livestock, either as green or dry feed.

**Production Potential:** Good autumn and spring/early summer vigour; good winter-active cvv are available for districts (e.g. coastal) with milder winter.

**Livestock Disorders/Toxicity:** High bloat risk if dominant in spring. May contain cyanogenic glucoside compounds; the concentration is rarely sufficient to be significant

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