PASTURE TRIALS NETWORK

DATA DRIVEN PASTURE SELECTION

Localised | Seasonal | Independent | Free

"The Pasture Trials Network (PTN) provides free, independent, rigorous yield data for many pasture species, based on nearly 15 years of trial results from sites across temperate Australia."

You can access this information through our tools:

PTN Genotype x Environment (GxE) tool

MLA PTN eTool

FUNDED AND SUPPORTED BY INDUSTRY

Dairy Australia

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What is the Pasture Trials Network?

PTN data is collected through a **network of standardised trials** across temperate Australia **using an industry-developed protocol** and data captured by industry-recognised partners.

Trials are continually **reviewed by a panel of industry experts**. Approved trials are regularly added to the MLA PTN eTool, with **data including yield, persistence**, and—soon—forage quality and grazing tolerance.

Since inception, **more than 160 trials have been completed** across **eight major pasture species**, with additional species added in recent years, including:

- **Grasses**: ryegrasses, cocksfoot, tall fescue, phalaris
- **Legumes:** lucerne, sub clover
- **Forbs:** chicory
- **Forage cereals:** oats
- **Future data releases:** white clover, wheat, and grazing tolerance.

As the dataset grows across species and regions, **new information is incorporated into updates** of the MLA PTN eTool, PTN GxE, and Dairy Australia FVI.

DAIRY AUSTRALIA FVI

Based on PTN data, the Forage Value Index (FVI) helps Australian dairy farmers make more informed decisions when selecting profitable ryegrass cultivars.

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PTN GENOTYPE x ENVIRONMENT

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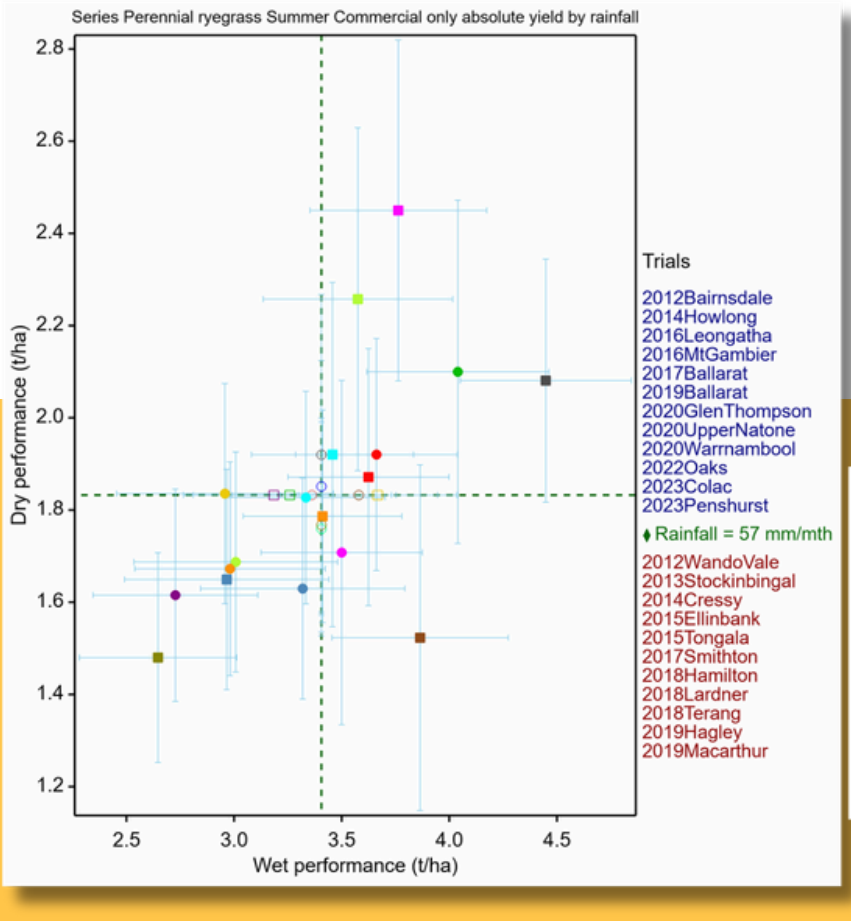
Genotype-by-Environment (GxE) analysis highlights how different pasture varieties perform under changing conditions such as soil type, rainfall, and temperature.

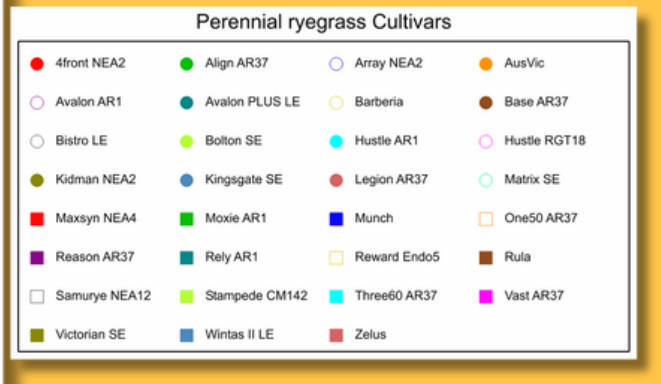
Tracking performance across environmental drivers of yield and years for key grasses and legumes, enabling confident, data-driven sowing decisions that match your local conditions and production goals.

Use the new GxE tool to dive into how each variety responds to key environmental drivers and pinpoint which options best suit your region and needs.

Features	GxE TOOL
Data scope	Yield drivers (initial)
Data search filter	Species
Species scope	Multiple grasses, legumes
Cultivar details	Name, endophyte
Cultivar range	Limited commercial
Update frequency	Annual
Data types	Yield responses to rainfall and temperature, sowing pH (ryegrass only)
Yield data	Seasonal, total, relative, absolute
Presentation format	PDF
Seasonal reporting	✓
Unlimited free use	✓

Is this tool right for you?
Check out the quick guide above to understand what the tool includes.





Sample shown displays perennial ryegrass cultivars analysed by summer rainfall across regions.

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MLA PTN eTool

Access localised yield performance data for key species, including phalaris, chicory, cocksfoot, tall fescue, ryegrass species, sub-clover, lucerne and more.

- Evaluate the performance of varieties across species to determine which is most effective in your region.
- Align varieties and species to your production goals and needs.
- Trial yield results are ranked across seasons.
- Recent perennial species include individual variety sward persistence.
- Identify trials in similar environments using rainfall and soil-type filters.
- Search for individual varieties.
- Detailed trial reports capturing trial location, rainfall, pest control, site conditions, and progress photos included.

Features	MLA PTN eTOOL
Data scope	Individual trials
Data search filter	Rainfall, Australian Soil Association (ASA) soil type, region, species, location, cultivar, sowing year, trial term
Species scope	Multiple grasses, forbs, legumes
Cultivar details	Name, endophyte
Cultivar range	All commercial
Update frequency	As data is approved
Data types	ASA soil type, rainfall zone, yield, persistence, forage quality (limited), grazing persistence (limited)
Yield data	Seasonal (legacy only), total, individual cut
Presentation format	Online only
Seasonal reporting	✓
Unlimited free use	✓

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