

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



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.

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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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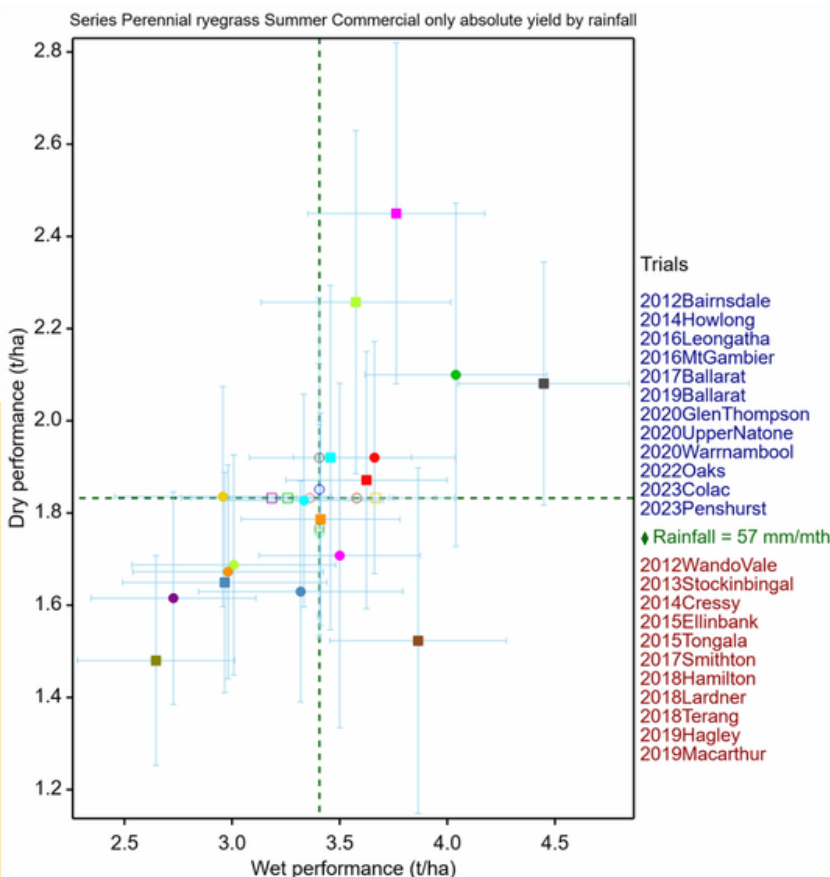
PTN GENOTYPE X ENVIRONMENT

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.

Perennial ryegrass Cultivars

4front NEA2	Align AR37	Array NEA2	AusVic
Avalon AR1	Avalon PLUS LE	Barberia	Base AR37
Bistro LE	Bolton SE	Hustle AR1	Hustle RGT18
Kidman NEA2	Kingsgate SE	Legion AR37	Matrix SE
Maxsyn NEA4	Moxie AR1	Munch	One50 AR37
Reason AR37	Rely AR1	Reward Endo5	Rula
Samurye NEA12	Stampede CM142	Three60 AR37	Vast AR37
Victorian SE	Wintas II LE	Zelus	

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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Ellinbank (2022) Perennial Ryegrass

Sown: 22/04/2022 Region: West Gippsland (VIC) Site: Ellinbank Species: Perennial Ryegrass More info: [TRIAL](#)

Soil Type: Ferrosol Average Rainfall (10yr): 742 mm Irrigated: No Trial Term: 3 Years, 85 days

← SEARCH TABLE GRAPH HELP

Category: ☐ IndividualCut ☐ Persistence ☒ Seasonal

Variety Name	Summer AUG (kg/ha)	Sig (%)	Autumn AUG (kg/ha)	Early Spring AUG (kg/ha)	Late Spring AUG (kg/ha)	Total Includes First Cut AUG (kg/ha)	Winter AUG (kg/ha)
Greenmount CM142	3852.5		1184.1	3075.5	4237.7	2110.2	43380.0
West AR37	3825.5		1142.3	2783.6	3861.9	2112.9	41178.8
Align AR37	3758.9		1103.2	2918.5	4110.3	2158.7	42179.0
Stampede CM142	3752.5		1055.4	2785.7	3888.9	2155.5	40674.1
Amey NEA2	3644.2		1189.6	2366.6	3823.2	1732.4	38267.9
Massey NEA4	3578.4		1169.3	2655.5	3099.4	2019.1	40286.4
Samurai NEA12	3575.6		1068.7	2838.7	4182.8	1884.8	40652.6
Legion AR37	3548.4		1107.2	2396.6	3784.5	1869.0	38117.0
Almonta CM142	3532.0		1000.7	2598.5	3861.7	2049.7	39122.0
Base AR37	3507.2		958.2	2792.2	3605.7	2127.8	38673.4
4front NEA2	3392.1		1002.3	2621.9	4069.5	1838.5	38772.9
Reason AR37	3385.7		1001.6	2597.2	3629.5	2088.1	38997.3
Three50 AR37	3381.0		974.6	2539.6	3882.4	2046.4	38472.1
Hustle ROT18	3372.3		1032.0	2260.1	3784.7	1552.8	36005.9
Hustle AR1	3349.8		969.8	2606.0	4126.3	1734.4	38957.9
Modon CM142	3206.2		940.8	2544.9	3606.7	2013.1	37835.1
Rula	3106.9		651.0	2308.0	3831.1	1329.3	33679.0
Matrix SE	3019.6		815.4	2362.3	3800.0	1628.8	34878.4
Tenacious	2749.2		722.8	2389.5	3935.0	1410.2	33620.0
Victorian SE	2586.1		658.8	2299.8	3957.0	1192.5	32082.3

