

Site Location: Barenbrug Research Station -
Howlong
Nearest Town: Howlong, NSW.
Site Operator: Barenbrug Australia
Species: Annual Ryegrass
Trial Start and End: 4th April 2023 – 18th December 2023



Seasonal Summary/Comments

This site received above average rainfall for the year – driven primarily by high January rainfall. Stored soil moisture helped this trial get away and good rainfall in April, May and June set it up for a strong year. September was dry however August and October experienced good rainfall which allowed the plots to thrive and grow well. In addition to rainfall, supplemental irrigation was used when required to ensure there were no checks in plant growth – as was demonstrated by exceptional total yields of up to 20tDM/ha.

Monthly Rainfall (mm)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2023	167.2	8.6	57.8	72.4	43.2	83.8	48.6	45.6	5.4	66.6	41.8	57	698
2024													

Results

Entry	DMYield		DMYield		DMYield		DMYield		DMYield		DMYield	
	Autumn		Winter		Early Spring		Late Spring		Summer		Total	
Rampage	791	ac	2817	bc	7549	a	8123	a	1205	a	20672	a
Zoom	822	ac	3069	ab	7788	a	7830	ab	909	cd	20296	a
Torpedo Lm	960	a	3048	ab	7739	a	7358	bc	975	bc	20252	ab
Hogan	889	ab	2994	ab	7513	a	7382	bc	1144	ab	20153	ab
Speedyl	905	ab	2821	bc	7449	a	7291	bc	1000	ac	19235	bc
Mach 1	677	cd	2534	c	7588	a	7001	cd	723	d	18430	c
Loader	752	bd	2114	d	7900	a	6741	de	888	cd	18201	cd
Fuze	701	cd	2548	c	7162	a	6289	e	797	cd	17247	de
Astound	650	cd	2864	ab	7656	a	5626	f	40	e	16854	e
Vortex	609	de	2987	ab	7378	a	5399	fg	40	e	16702	e
New Tetila	452	e	3155	a	7242	a	4993	g	33	e	15971	e
Trial Mean	743		2802		7520		6935		757		18830	
Significance	0.000		0.000		NS		0.000		0.000		0.000	
LSD (5%)	178.2		318.1		562.0		545.8		214.6		1221.1	
%CV	16.5		12.9		4.9		5.5		19.9		6.0	

Note: In Summer three varieties recorded 0 yield on 3 or more plots and as a result the DM Yield mean has been forced to 0.

Harvests were undertaken via cut and weigh of the whole plot with a sub sample collected to determine DM%.

Results with overlapping letter ranges are not significantly different.