

Site Location: Barenbrug Research Station -
Howlong
Nearest Town: Howlong, NSW.
Site Operator: Barenbrug Australia
Species: Italian Ryegrass
Trial Start and End: 4th April 2023 – 18th December 2023
Trial Report Date: 17/03/2024, revised 15/08/2024



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		Total	
	Autumn		Winter		Early Spring		Late Spring		Summer			
Arise	1030	a	2125	d	7757	a	7918	ac	1171	a	19842	a
Amass	928	ab	2230	bd	7479	ab	8150	a	763	de	19767	a
Feast II	974	ab	2306	bd	7303	ac	8042	ab	1024	ab	19461	ab
Inverno	1046	a	2636	a	7602	a	6973	ef	904	bd	19335	ac
Tempo	1039	a	2389	ac	6835	cd	7962	ac	977	b	18696	bc
Accelerate 2	746	cd	2372	bc	6736	ce	7770	ac	933	bc	18559	bc
Allure	984	ab	2432	ac	6735	ce	7530	bd	1007	b	18447	cd
Yambuck	890	ac	2243	bd	6883	bd	6682	fg	613	e	17550	de
Concord II	840	bc	2292	bd	6291	df	7478	ce	882	bd	17217	e
Bermagui	608	d	2160	cd	6144	ef	7130	df	1000	b	17021	e
Appeal	966	ab	2450	ab	5718	f	6374	g	795	cd	16631	e
Trial Mean	941		2372		6839		7547		949		18548	
Significance	0.000		0.000		0.000		0.000		0.000		0.000	
LSD (5%)	163.6		243.3		601.8		537.0		160.3		1036.3	
%CV	12.1		7.1		6.1		5.0		11.9		3.9	

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.