

Trial Name 2023 Ellinbank Italian Ryegrass Trial
Site Location: Cropmark Research Station
Nearest Town: Ellinbank, Vic.
Site Operator: Cropmark, Pat Bloye
Species: Italian Ryegrass
Trial Start and End: 20th April 2023 – 1st November 2024
Report Date: 21st March 2026



Seasonal Summary/Comments

In 2023 the site experienced an excellent early autumn break with sustained rainfall from March into winter. This allowed the newly sown trial to establish well. Overall conditions remained favourable for growth of the trial throughout 2023.

2024 was drier than 2023 however remained supportive of good growth for much of the year. The autumn break occurred in April following a couple of very dry months, and conditions were mild if not a little dry over winter. Overall spring rainfall was good however conditions did start to taper off at the end of spring with a relatively dry start to summer.

Monthly Rainfall (mm)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2023	15.6	39.8	88.6	67.8	92.2	110.6	27.8	57.2	71.4	171.4	62.8	102.0	907.2
2024	94.6	5.0	14.8	152.4	29.6	41.2	133.4	28.6	95.0	74.4	78.8	41.6	759.4

Rainfall data sourced from nearest BOM weather station – Nilma North (Warragul).

Trial data on the next page.

Results - kg DM/ha by season, annual and overall total.

2023 Ellinbank Italian Ryegrass Trial

Sown: 20th April 2023

Final Harvest: 1st November 2024



Entry	Year 1						Total
	Autumn	Winter	Early Spring	Late Spring	Summer		
Lush AR37	625 ab	1752 ab	3695 c	4513 ad	2465 a	13224 a	
Mazzoletti	541 ad	1724 ac	4061 a	4481 bd	2204 ab	13078 ab	
Mona	625 a	1849 a	4003 ab	4381 cd	1740 df	12791 ac	
Allure	512 ae	1605 be	3785 bc	4486 ad	1990 bd	12521 bc	
Asset AR37	455 df	1469 dg	3611 cd	4631 ac	1962 bd	12253 cd	
Bermagui	384 f	1342 g	3775 bc	4713 ab	2184 ac	12591 ac	
Tempo	437 df	1603 be	3730 c	4742 ab	2028 bd	12552 bc	
Accelerate II	510 be	1607 be	3630 cd	4791 a	2087 bc	12639 ac	
Vibe	609 ac	1730 ab	3393 d	4450 bd	1920 be	12231 cd	
Jagg	496 cf	1559 bf	3560 cd	4422 bd	1908 ce	12181 cd	
Concord II	493 df	1636 bd	3445 d	4378 cd	1646 ef	11755 de	
Appeal	519 ae	1430 eg	3553 cd	3978 e	1725 df	11270 ef	
Extend	430 df	1381 fg	3972 ab	4283 de	1512 fg	11721 de	
Blade	427 ef	1530 cf	3571 cd	3970 e	1259 g	11001 f	
Trial mean	523	1606	3662	4504	2106	12517	
Significance	0.000	0.000	0.000	0.000	0.000	0.000	
LSD (5%)	111	198	243	312	292	655	
%CV	14.9	8.7	4.7	4.9	9.4	3.7	

Entry	Year 2					Overall
	Autumn	Winter	Early Spring	Late Spring	TOTAL	TOTAL
Lush AR37	1932 a	2431 a	3017 bd	1948 ac	9512 a	22624 a
Mazzoletti	1744 ab	2248 bd	3276 ab	2141 a	9435 a	22500 a
Mona	1576 bc	2369 ac	3435 a	2034 ab	9421 a	22011 ab
Allure	1490 bd	2427 a	3147 ac	1895 ad	9013 ab	21066 bc
Asset AR37	1657 ac	2374 ab	3001 be	1930 ad	8877 ac	20975 bc
Bermagui	1461 bd	2191 d	2951 ce	1703 bd	8418 bd	20966 bd
Tempo	1353 cd	2291 ad	3116 ac	1615 bd	8545 bd	20937 bd
Accelerate II	1224 de	2286 ad	2987 be	1603 bd	8198 bd	20893 bd
Vibe	1406 cd	2203 cd	2700 ef	1531 ce	8066 cd	20341 ce
Jagg	1513 bd	2198 d	2591 f	1527 de	7946 de	19899 cf
Concord II	1411 cd	2244 bd	2820 cf	1497 df	8046 cd	19654 df
Appeal	1489 bd	2334 ad	2716 df	1543 ce	8118 cd	19453 ef
Extend	753 f	2018 e	3102 bc	1062 f	7166 ef	18658 f
Blade	1046 ef	1931 e	2547 f	1112 ef	6684 f	17292 g
Trial mean	1569	2264	2953	1730	8593	20983
Significance	0.000	0.000	0.000	0.000	0.000	0.000
LSD (5%)	301	169	319	442	859	1292
%CV	13.0	5.3	7.6	17.9	7.1	4.3

PERSISTENCE (% survival)		
Entry	6-May-24	25-Nov-24
Lush AR37	91.3 a	79.6 a
Asset AR37	87.5 a	77.9 a
Vibe	85.0 ab	76.4 a
Mazzoletti	83.8 ab	75.9 a
Bermagui	81.3 ab	73.8 a
Jagg	77.5 ac	72.1 a
Appeal	80.0 ab	68.4 a
Concord II	86.3 ab	66.9 a
Accelerate II	72.5 bc	50.7 b
Mona	82.5 ab	49.7 b
Allure	86.3 ab	46.7 bc
Blade	51.3 d	33.2 cd
Tempo	88.8 a	31.6 d
Extend	65.0 cd	15.1 e
Trial mean	83.6	65.3
Significance	0.000	0.000
LSD (5%)	14.4	14.2
%CV	12.2	15.4

Harvest method: a mower strip comprising 4 rows is harvested from the plot, sub samples taken from the cut forage for DM% determination, and the remaining forage mown off.

Results with overlapping letter ranges are not significantly different from each other

Total Yields are calculated statistically using the whole dataset and may not precisely equal the sum of individual harvests or seasons.