

Wheat yield potential – September 2024 update

Table 1. Summary of rainfall data to date, and estimated yield predictions for wheat based on different decile outcomes for the remainder of the season. Data is sourced from the Bureau of Meteorology (BOM). Assumes 60mm evaporation, 22kg/mm/ha water use efficiency (WUE), 80% of total potential yield and no other limiting factors to crop yield. Current decile according to the CliMate app.

Location	Summer rainfall (Nov-Mar)		Growing season rainfall to date (1 Apr-27 Aug)		Remaining season (1 Sept-31 Oct) decile rainfall outcomes and yield prediction		
	Total rainfall (mm)	Plant available water (25% of total mm)	Rainfall (mm)	Decile	Decile 3	Decile 5	Decile 7
Freeling	120	30	123	0.6	2.7t/ha (61mm)	3.2t/ha (88mm)	4.0t/ha (136mm)
Balaklava	93	23.25	117	0.8	2.2t/ha (45mm)	2.6t/ha (68mm)	3.2t/ha (102mm)
Mallala	124	31	123	0.6	2.5t/ha (49mm)	2.9t/ha (74mm)	3.5t/ha (108mm)
Kapunda	116	29	158	0.6	3.4t/ha (65mm)	3.9t/ha (93mm)	4.6t/ha (135mm)
Stockport	100	25	150	0.4	3.0t/ha (56mm)	3.4t/ha (80mm)	4.3t/ha (128mm)
Mintaro	128	32	189	0.5	4.1t/ha (73mm)	4.7t/ha (107mm)	5.8t/ha (168mm)
Jamestown	66	16.5	116	0.5	2.2t/ha (55mm)	2.7t/ha (83mm)	3.6t/ha (132mm)
Appila	120	30	88	0.2	1.8t/ha (44mm)	2.2t/ha (68mm)	3.0t/ha (110mm)
Crystal Brook	108	27	96	0.2	1.9t/ha (44mm)	2.3t/ha (67mm)	3.1t/ha (115mm)
Bute	112	28	120	0.8	2.3t/ha (42mm)	2.7t/ha (66mm)	3.4t/ha (108mm)
Minlaton	136	34	127	0.2	2.6t/ha (48mm)	3.0t/ha (71mm)	3.7t/ha (108mm)
Sedan	144	36	82	1.5	1.5t/ha (31mm)	1.9t/ha (52mm)	2.6t/ha (89mm)
Cambrai (Kongolia)	140	35	79	1.0	1.5t/ha (29mm)	1.8t/ha (47mm)	2.4t/ha (82mm)
Palmer	156	39	126	1.2	2.7t/ha (47mm)	3.1t/ha (72mm)	3.9t/ha (115mm)
Mannum	156	39	84	1.2	1.6t/ha (29mm)	1.9t/ha (48mm)	2.5t/ha (80mm)
Murray Bridge	180	45	86	0.6	1.9t/ha (40mm)	2.3t/ha (61mm)	2.9t/ha (95mm)
Pinnaroo	160	40	94	1.0	1.7t/ha (36mm)	2.0t/ha (57mm)	2.6t/ha (91mm)
Loxton	72	18	90	3.4	1.3t/ha (24mm)	1.6t/ha (38mm)	2.3t/ha (77mm)