



# Southern NSW crop check

Southern Valleys 6 <sup>th</sup> January 2023	
<b>Crop Stage</b>	Earlier planted fields, 12 -15 nodes. Many at 10 nodes and squaring Some crops still slow at 6 nodes Plenty of vegetative branches on nodes 8 -12 Environmental square loss in lower nodes with retentions less than ideal
<b>Irrigation</b>	3 <sup>rd</sup> irrigation now and last of top dress N
<b>Insects/Beneficials</b>	Mirids at thresholds and being controlled where required
<b>Weeds</b>	Flush of weeds following irrigation. Bladder ketmia germination Still cultivating fleabane
<b>Disease/Environmental</b>	Suspected isolated Fusarium in larger plants BRR still holding development back in fields with longer cotton history
<b>Comments</b>	First flowers appearing in October long weekend planted crops Expecting consistent first flowers later next week in a lot of crops. Crops responding to warmer weather with growth at 2 nodes per week. Low rates of Mepiquat going out on more advanced crops Applied N rates are variable depending on potential with many trimmed back to 150 -210 kgN/ha

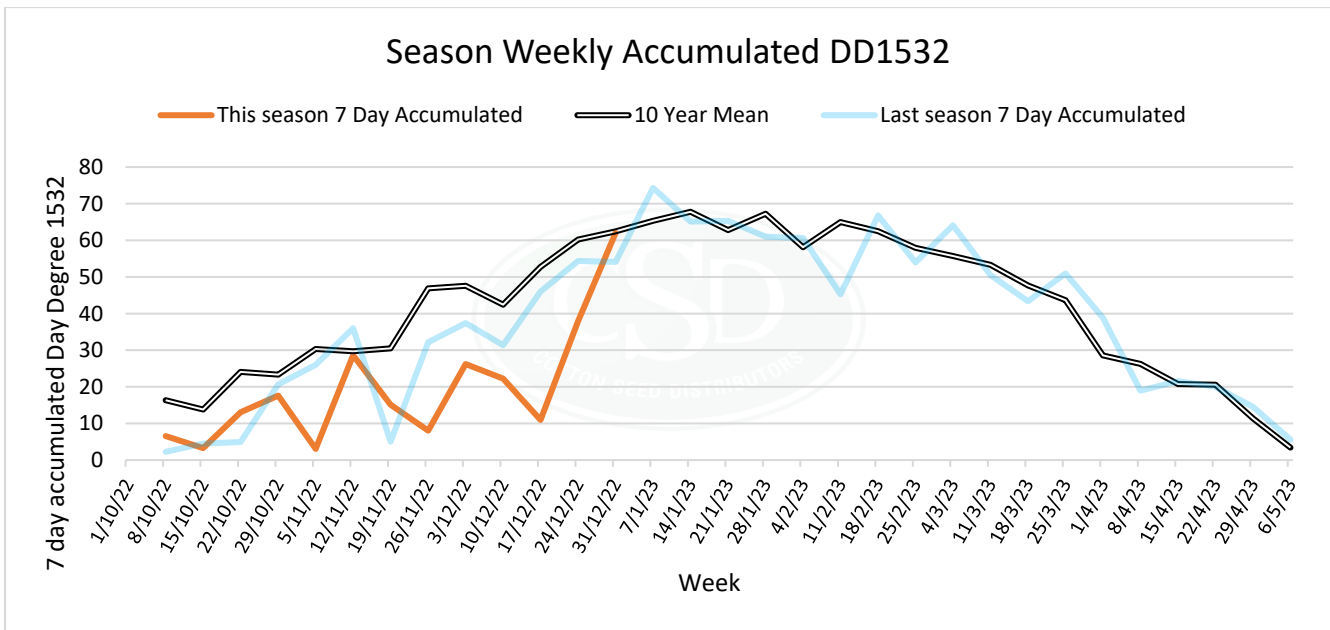
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Seasonal Day Degree and historical data is sourced from Cotton Seed Distributors Day Degree Calculator found at [www.csd.net.au/ddc](http://www.csd.net.au/ddc). For more specific day degree and crop management detail for your farm, field and variety check out CottonTracka® at [www.cottontracka.com.au](http://www.cottontracka.com.au)



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## GRIFFITH AIRPORT AWS

Date range: 1 October, 2022 to 5 January, 2023 (97 days).

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Summary [Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	711.9	844.3 ▲	982.3 ▲	1056.5 ▲	1071.3 ▲	970.1 ▲
DD1532*	303.9	420.7 ▲	543.8 ▲	540.1 ▲	602.2 ▲	514.5 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	46	38 ▼	27 ▼	40 ▼	32 ▼	34.5 ▼
Days above $36^{\circ}\text{C}$	5	7 ▲	11 ▲	24 ▲	18 ▲	12.8 ▲
Nights above $25^{\circ}\text{C}$	0	1 ▲	1 ▲	6 ▲	6 ▲	2.5 ▲
Days above $40^{\circ}\text{C}$	0	1 ▲	3 ▲	12 ▲	7 ▲	3.5 ▲
Total rainfall (mm)	306.6	155.2 ▼	95.8 ▼	52.2 ▼	123.4 ▼	116.1 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	1966.3	2042.4 ▲	2233.1 ▲	2307.2 ▲	2221.6 ▲	2006.8 ▲
Average temperature ( $^{\circ}\text{C}$ )	18.2	19.9 ▲	21.6 ▲	22.1 ▲	22.6 ▲	21.2 ▲

\* Experimental calculation.



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## HILLSTON AIRPORT

Date range: 1 October, 2022 to 5 January, 2023 (97 days).

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Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	756.1	888.8 ▲	1037.3 ▲	1110.5 ▲	1122.4 ▲	1027.7 ▲
DD1532*	352.6	469.1 ▲	591.8 ▲	601.5 ▲	653.3 ▲	567.3 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	42	30 ▼	26 ▼	31 ▼	20 ▼	29.0 ▼
Days above 36°C	5	8 ▲	11 ▲	25 ▲	22 ▲	16.1 ▲
Nights above 25°C	0	1 ▲	2 ▲	7 ▲	10 ▲	3.2 ▲
Days above 40°C	0	1 ▲	6 ▲	13 ▲	8 ▲	4.8 ▲
Total rainfall (mm)	265.7	201.1 ▼	132.6 ▼	28.8 ▼	106.1 ▼	113.3 ▼
Total radiation (MJ/m <sup>2</sup> )	2011.9	2089.6 ▲	2286.1 ▲	2368.1 ▲	2271.3 ▲	2050.0 ▲
Average temperature (°C)	18.9	20.5 ▲	22.3 ▲	22.9 ▲	23.2 ▲	22.0 ▲

\* Experimental calculation.

## JERILDERIE TREATMENT WORKS

Date range: 1 October, 2022 to 5 January, 2023 (97 days).

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Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	696.3	780.0 ▲	909.6 ▲	955.6 ▲	999.7 ▲	899.0 ▲
DD1532*	300.6	351.6 ▲	457.0 ▲	450.8 ▲	522.8 ▲	446.2 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	45	48 ▲	40 ▼	47 ▲	35 ▼	41.5 ▼
Days above 36°C	4	7 ▲	9 ▲	19 ▲	14 ▲	10.7 ▲
Nights above 25°C	0	0	0	2 ▲	4 ▲	1.0 ▲
Days above 40°C	0	1 ▲	2 ▲	9 ▲	5 ▲	2.3 ▲
Total rainfall (mm)	379.6	162.2 ▼	83.8 ▼	35.6 ▼	135.1 ▼	124.9 ▼
Total radiation (MJ/m <sup>2</sup> )	1934.6	2047.9 ▲	2183.6 ▲	2260.2 ▲	2184.4 ▲	1966.0 ▲
Average temperature (°C)	18.1	18.8 ▲	20.6 ▲	20.9 ▲	21.6 ▲	20.3 ▲

\* Experimental calculation.