



## Southern NSW crop check

24<sup>th</sup> February 2023

<b>Crop Stage</b>	<ul style="list-style-type: none"> <li>• 18 -21 nodes</li> <li>• 2 NAWF</li> <li>• No cracked bolls yet</li> </ul>
<b>Insects/Beneficials</b>	<ul style="list-style-type: none"> <li>• Low levels of mites persisting</li> <li>• Mirid numbers have reached threshold in some fields.</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>• No concerns</li> <li>• Mopping up some Barnyard grass as it comes out of the canopy.</li> </ul>
<b>Disease</b>	<ul style="list-style-type: none"> <li>• Verticillium showing up in fields with longer cotton history.</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• <i>“Not very high yield potential but hopefully we can get some warm clear weather through defoliation and picking and move on”.</i></li> <li>• <i>Bottom bolls sizing up nicely in cool summer conditions.</i></li> <li>• <i>Concerned about final quality.</i></li> <li>• <i>Has been a low applied Nitrogen year given the circumstances so keen to look at NFUE numbers.</i></li> <li>• <i>Recent industry estimates for yield potential have Lachlan at 9.3 b/ha and Murrumbidgee/Murray at 9.1 b/ha. Forecast production for Southern NSW sits at 465,000 bales from 51,000 ha.</i></li> </ul>



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## COLEAMBALLY IRRIGATION

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Date range: 15 October, 2022 to 26 February, 2023 (135 days).

Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	1317.0	1428.6 ▲	1511.9 ▲	1608.0 ▲	1754.9 ▲	1572.4 ▲
DD1532*	710.4	844.8 ▲	887.5 ▲	915.6 ▲	1037.9 ▲	915.4 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	42	30 ▼	29 ▼	32 ▼	27 ▼	29.9 ▼
Days above 36°C	21	12 ▼	22 ▲	33 ▲	43 ▲	29.1 ▲
Nights above 25°C	0	0	0	6 ▲	14 ▲	4.1 ▲
Days above 40°C	1	1	8 ▲	16 ▲	20 ▲	9.2 ▲
Total rainfall (mm)	264.7	275.8 ▲	147.9 ▼	157.7 ▼	117.0 ▼	149.1 ▼
Total radiation (MJ/m <sup>2</sup> )	3012.1	2958.3 ▼	3216.1 ▲	3176.0 ▲	3205.3 ▲	2869.3 ▼
Average temperature (°C)	21.1	22.1 ▲	22.9 ▲	23.5 ▲	24.7 ▲	23.2 ▲

\* Experimental calculation.

## HAY CSIRO AWS

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Date range: 15 October, 2022 to 26 February, 2023 (135 days).

Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	1347.1	1525.2 ▲	1547.5 ▲	1642.5 ▲	1782.2 ▲	1618.4 ▲
DD1532*	716.9	911.2 ▲	897.2 ▲	937.5 ▲	1040.8 ▲	932.8 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	42	30 ▼	33 ▼	30 ▼	26 ▼	29.7 ▼
Days above 36°C	23	17 ▼	24 ▲	38 ▲	45 ▲	35.1 ▲
Nights above 25°C	0	1 ▲	3 ▲	8 ▲	16 ▲	6.3 ▲
Days above 40°C	3	2 ▼	8 ▲	15 ▲	24 ▲	11.6 ▲
Total rainfall (mm)	187.4	186.0 ▼	130.3 ▼	53.6 ▼	128.8 ▼	118.3 ▼
Total radiation (MJ/m <sup>2</sup> )	3081.3	3075.2 ▼	3306.9 ▲	3284.2 ▲	3295.1 ▲	2933.5 ▼
Average temperature (°C)	21.3	22.8 ▲	23.1 ▲	23.8 ▲	24.9 ▲	23.5 ▲



# Southern NSW crop check

## HILLSTON AIRPORT

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Date range: 15 October, 2022 to 26 February, 2023 (135 days).

Summary [Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	1372.3	1529.7 ▲	1619.2 ▲	1727.7 ▲	1908.6 ▲	1695.0 ▲
DD1532*	763.4	946.5 ▲	998.3 ▲	1024.1 ▲	1166.3 ▲	1020.0 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	36	19 ▼	19 ▼	23 ▼	16 ▼	21.5 ▼
Days above 36°C	23	16 ▼	21 ▼	39 ▲	49 ▲	35.2 ▲
Nights above 25°C	1	2 ▲	4 ▲	10 ▲	25 ▲	8.5 ▲
Days above 40°C	2	1 ▼	10 ▲	18 ▲	25 ▲	12.4 ▲
Total rainfall (mm)	200.8	274.0 ▲	199.0 ▼	96.8 ▼	93.4 ▼	136.0 ▼
Total radiation (MJ/m <sup>2</sup> )	3080.9	2981.4 ▼	3299.2 ▲	3263.1 ▲	3306.4 ▲	2937.8 ▼
Average temperature (°C)	21.7	23.0 ▲	23.8 ▲	24.5 ▲	25.9 ▲	24.3 ▲

\* Experimental calculation.

## BENEREMBAH

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Date range: 15 October, 2022 to 26 February, 2023 (135 days).

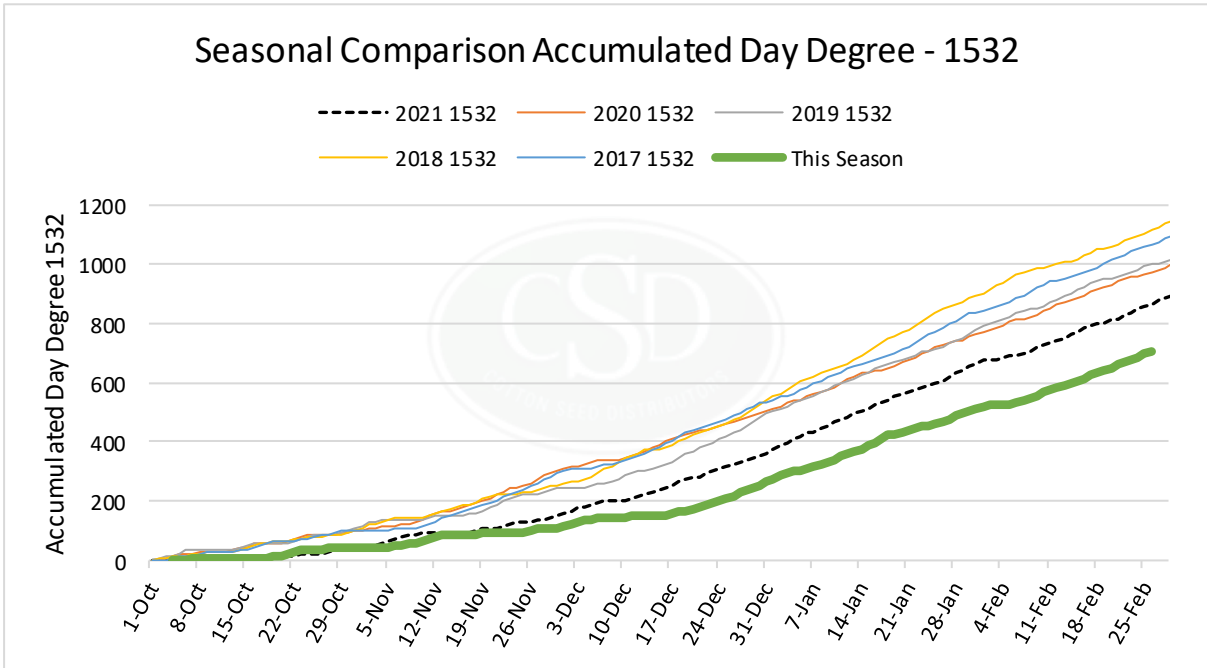
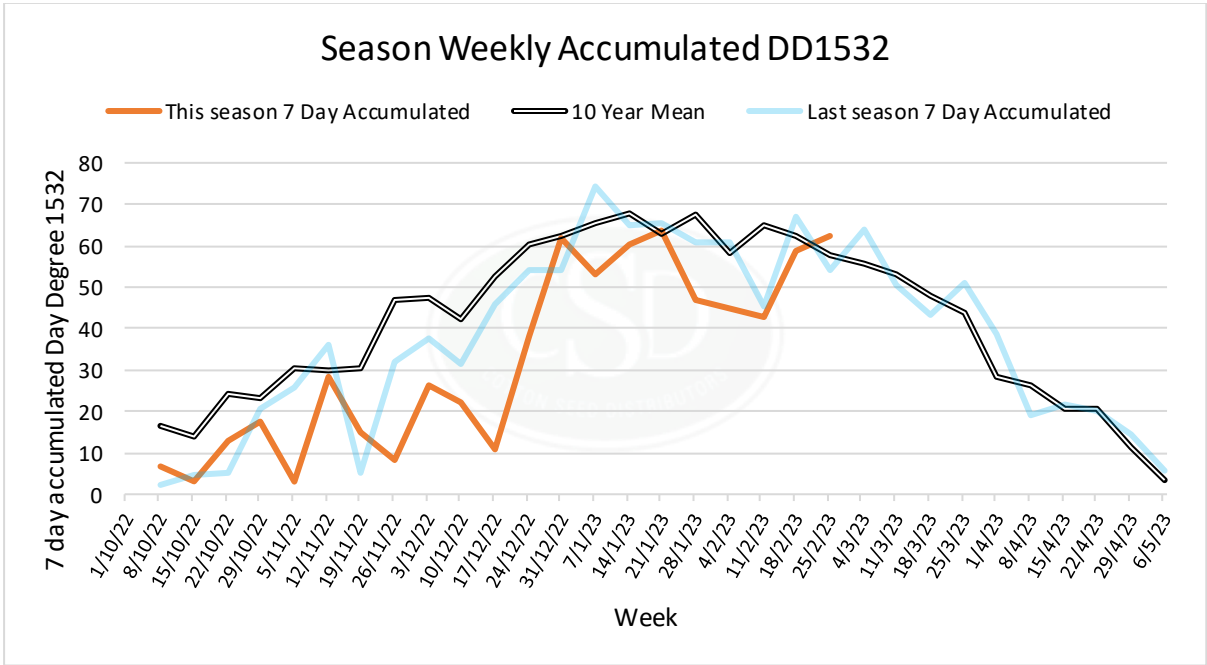
Summary [Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	1325.4	1452.6 ▲	1538.7 ▲	1638.9 ▲	1787.5 ▲	1600.2 ▲
DD1532*	714.7	870.0 ▲	917.0 ▲	943.2 ▲	1064.5 ▲	939.1 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	40	29 ▼	27 ▼	28 ▼	25 ▼	27.7 ▼
Days above 36°C	21	12 ▼	22 ▲	35 ▲	43 ▲	30.0 ▲
Nights above 25°C	0	0	1 ▲	8 ▲	16 ▲	5.3 ▲
Days above 40°C	2	1 ▼	7 ▲	16 ▲	22 ▲	9.6 ▲
Total rainfall (mm)	235.2	260.3 ▲	165.3 ▼	115.0 ▼	119.1 ▼	139.4 ▼
Total radiation (MJ/m <sup>2</sup> )	3031.0	2965.6 ▼	3242.5 ▲	3201.6 ▲	3232.2 ▲	2888.3 ▼
Average temperature (°C)	21.2	22.3 ▲	23.1 ▲	23.7 ▲	25.0 ▲	23.5 ▲

\* Experimental calculation.



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