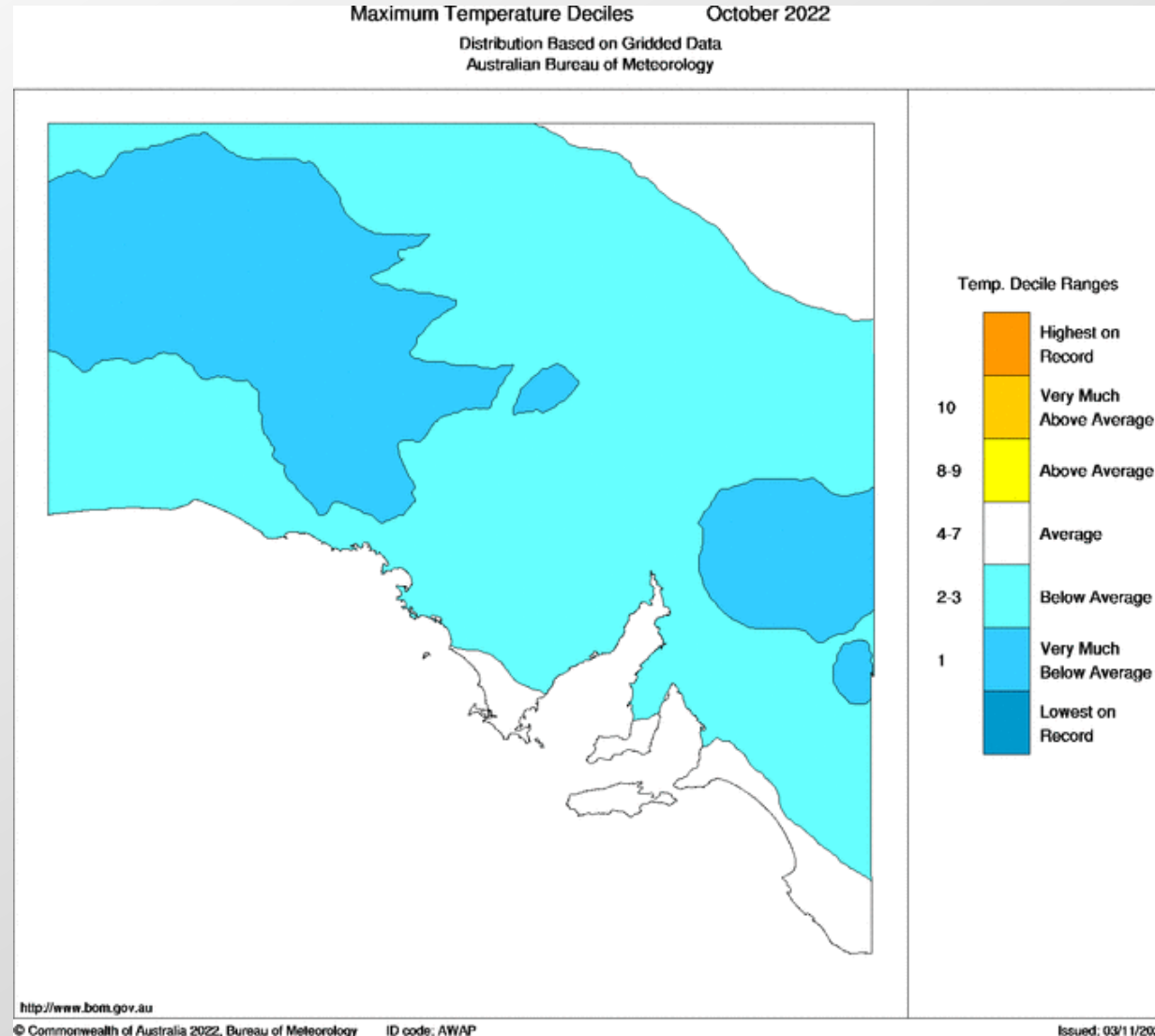


2022-23 Season to date

- Weather
- Disease and pests
- Resting CAS/SHZ

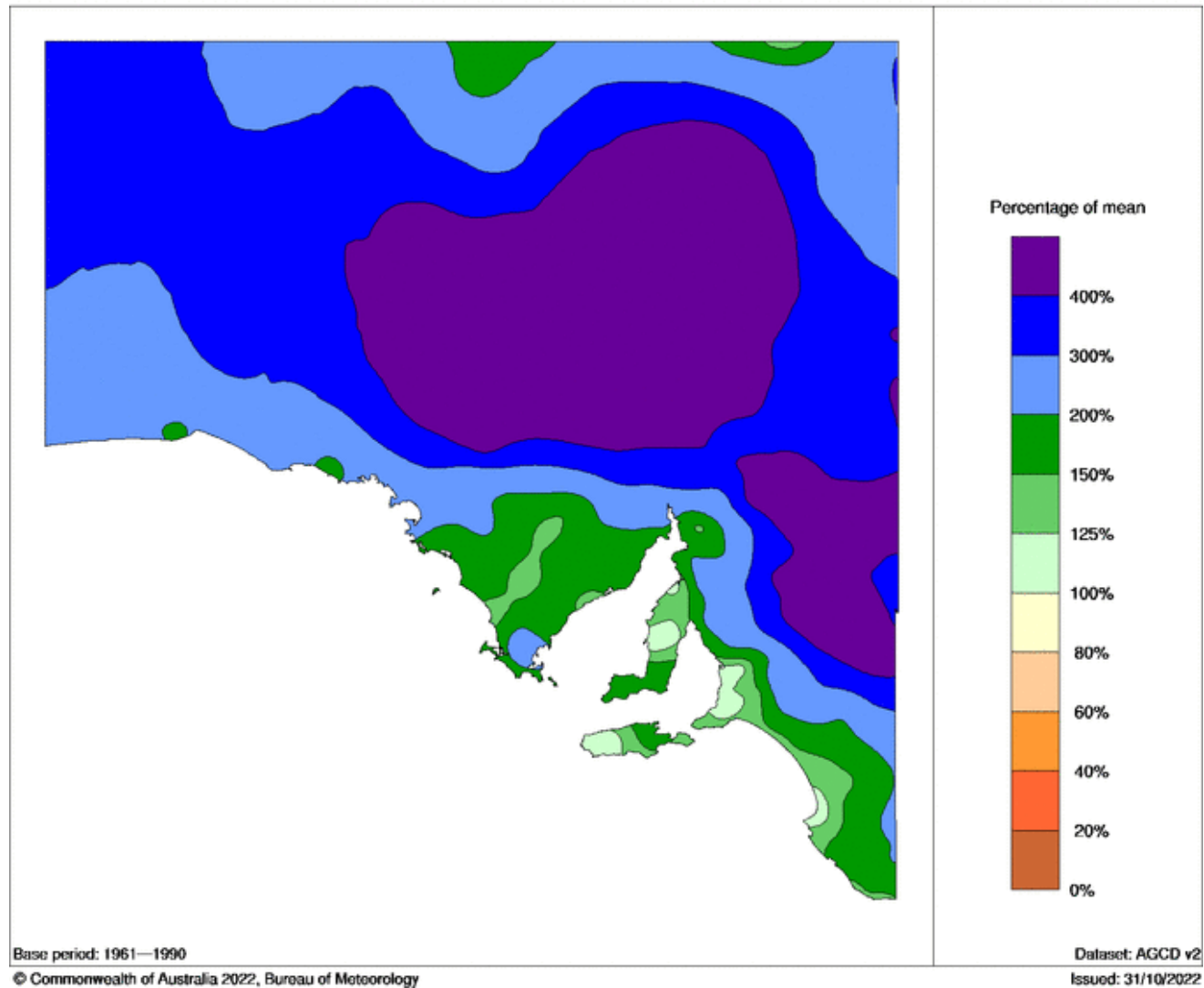


October- Max Temp- Much Cooler than average



October- was
wet

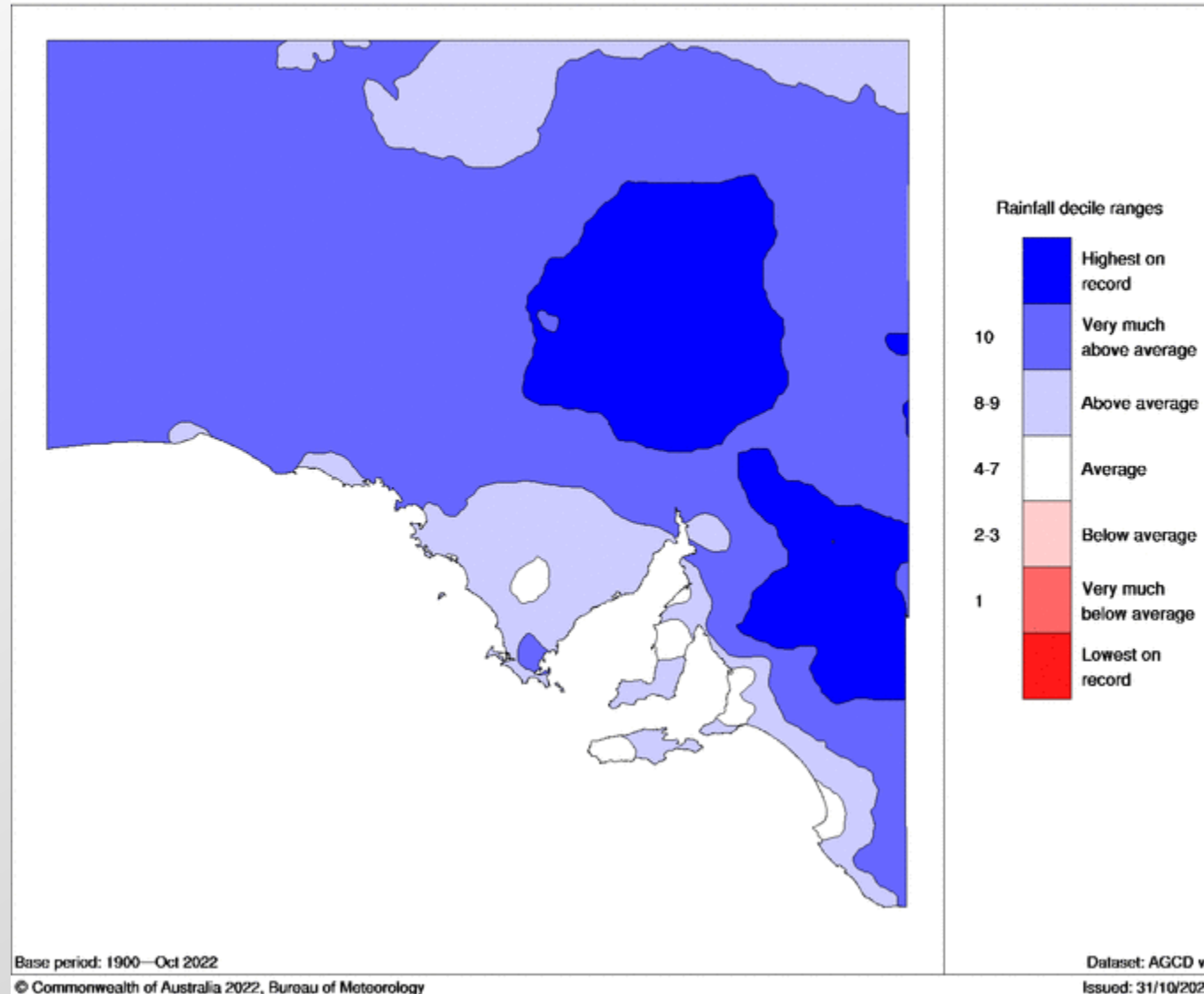
South Australian rainfall percentages October 2022
Australian Gridded Climate Data



October was wet

South Australian rainfall deciles October 2022

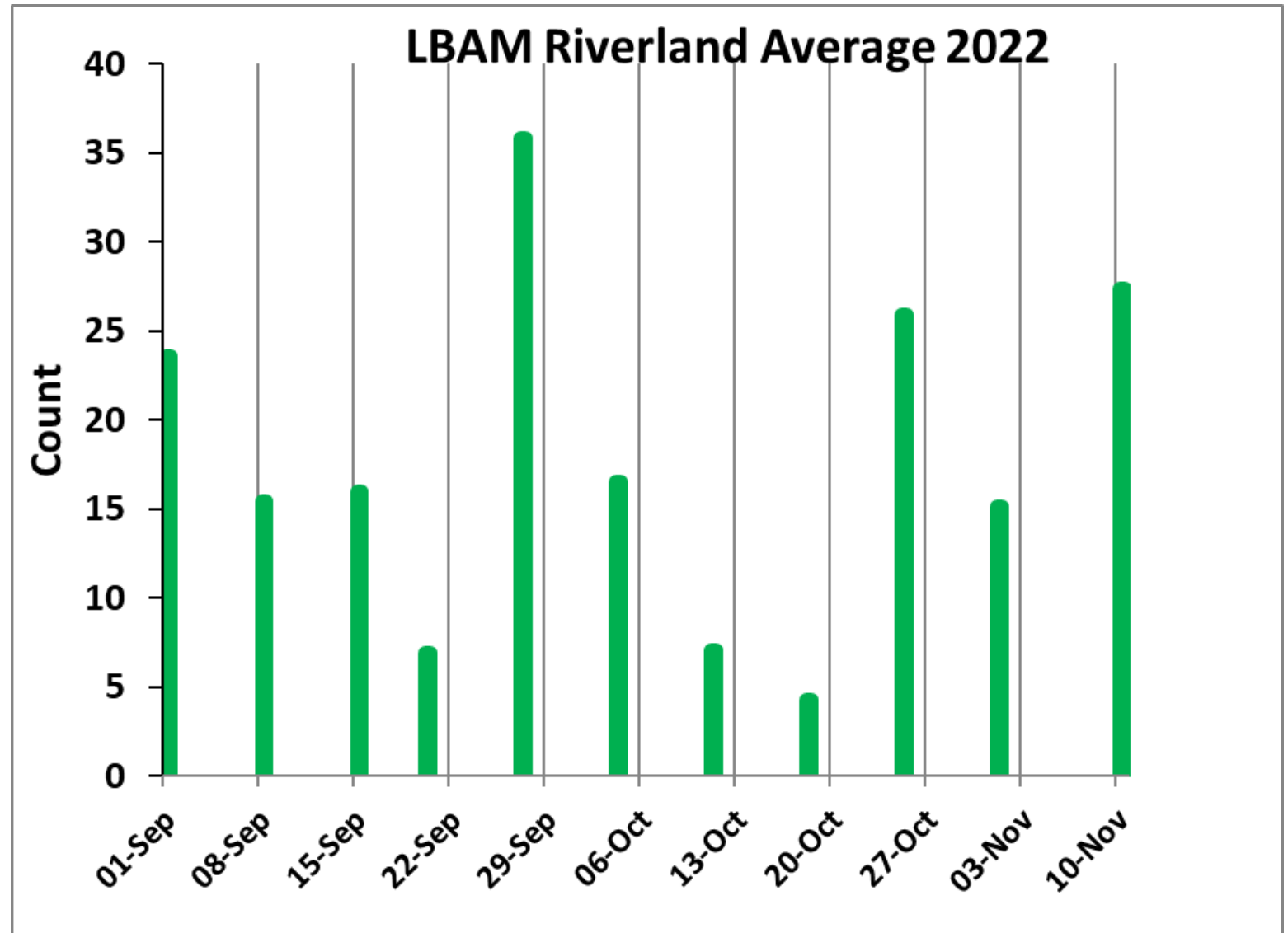
Australian Gridded Climate Data



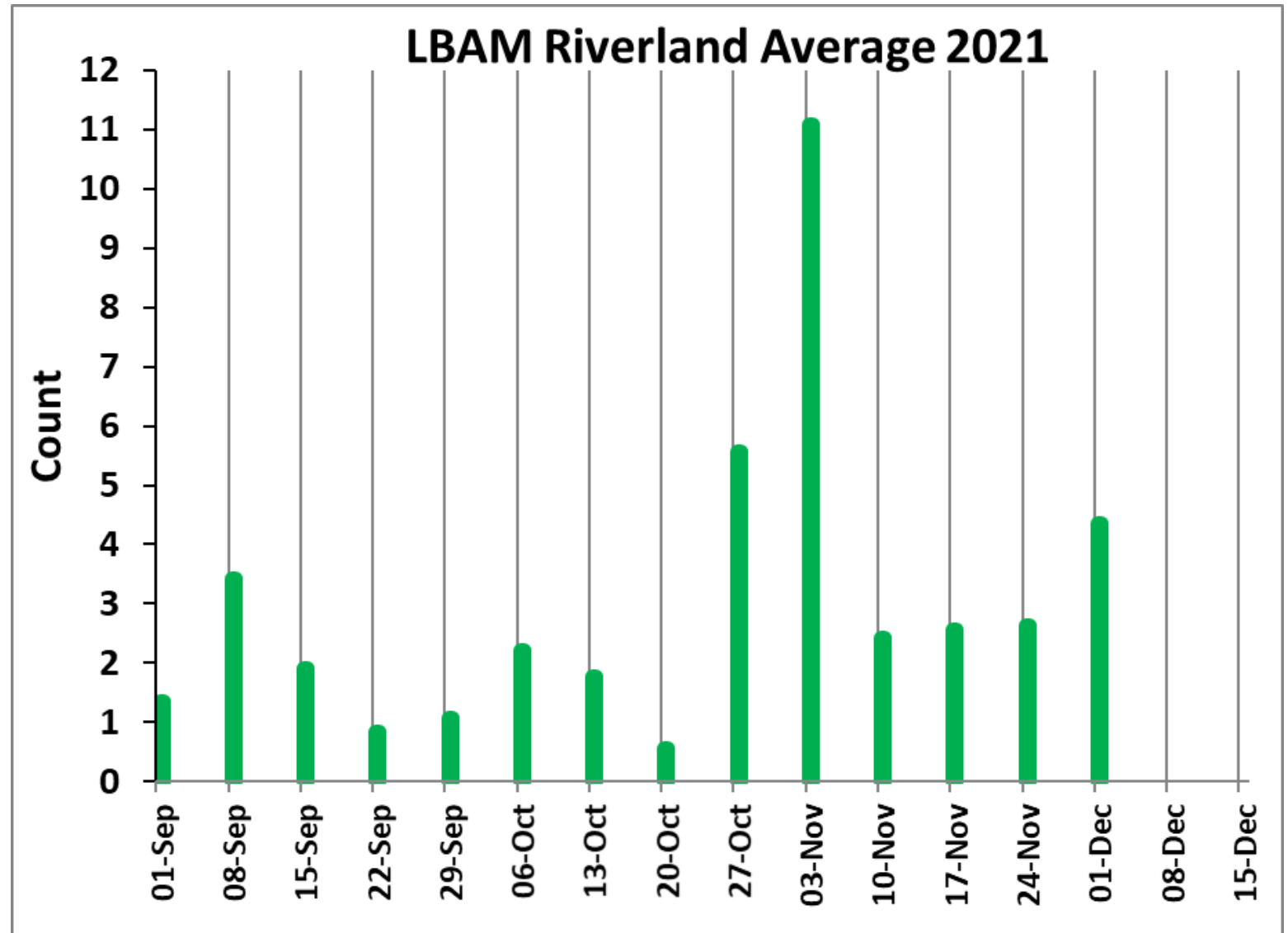
Patch Average Growth Stages Renmark Chardonnay

- 9th November 2022 – EL 25 - 80% Flowering
- 10th November 2021- EL 29 - Pepper-corn berries (4mm)
- 8th November 2016- EL 25 – 80% Flowering

Light Brown
Apple Moth
2022- High
Pressure Year



Light Brown
Apple Moth
2021- Low
Pressure Year





Downy

Powdery



Botrytis and the Sour Rots



GROSS MARGIN: WINEGRAPES-red (basic inputs program example)

Save

Example per hectare gross margin for red winegrapes (Cabernet Sauvignon, grown with drip irrigation in the Riverland SA, Note levy calculation based on V22

						\$/ ha
GROSS INCOME						
Production	Variety					
	Cab Sav	14	tonne/ha	@	\$236	/tonne
Grower levy		14	tonne/ha	@	\$20.00	/tonne
TOTAL GROSS INCOME						\$3,024

VARIABLE COSTS		number of applications		rate / ha		cost \$ / unit		total
DISEASE & PEST SPRAYS								
Sulphur		7	x	6.0	kg	@	\$2.15 /kg	\$90.30
DMI (Mycloss)		1	x	0.16	litre	@	\$160.00 /kg	\$25.60
Downy Mildew (Post Infection Metalaxyl+ Copper)		1	x	2.25	kg	@	\$35.50 /kg	\$79.88
		0	x	0.00	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	kg	@	\$0.00 /kg	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	kg	@	\$0.00 /kg	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	kg	@	\$0.00 /kg	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
		0	x	0.0	litre	@	\$0.00 /litre	\$0.00
CANOPY MANAGEMENT								
Mechanical pruning (contractor)		1	x	1.7	hours	@	\$125.00 /hour	\$212.50
		0	x	0.0	hours	@	\$0.00 /hour	\$0.00
FERTILISER & NUTRIENT								
Easy N		5	x	15.0	litres	@	\$1.85 /litre	\$138.75
Map Irrigation grade		2	x	15.0	kg	@	\$2.70 /kg	\$81.00
Foliar Zinc/Manganese (Hortimix)		2	x	2	kg	@	\$3.40 /kg	\$13.60
		0	x	0	kg	@	\$0.00 /kg	\$0.00
		0.0	x	0	litres	@	\$0.00 /litre	\$0.00
		0.0	x	0.0	litres	@	\$0.00 /litre	\$0.00
SOIL CONDITIONING								
Grape marc		0	x	0	tonne	@	\$0.00 /tonne	\$0.00
Gypsum		0	x	0	tonne	@	\$0.00 /tonne	\$0.00
Cover crop (2/3 area)		0	x	0	kg	@	\$0.00 /kg	\$0.00
Spreading		0	x	0.0	tonne	@	\$0.00 /hour	\$0.00
		0.0	x	0.0	litres	@	\$0.00 /litre	\$0.00
		0.0	x	0.0	litres	@	\$0.00 /litre	\$0.00
HERBICIDES								
Glyphosate 450 (1/3 area) Under row		1.0	x	0.8	litres	@	\$18.75 /litre	\$15.00
Glyphosate450 (full cover)		1.0	x	2.4	litres	@	\$18.75 /litre	\$45.00
Spray.Seed (full cover)		1.0	x	3.2	litres	@	\$13.75 /litre	\$44.00
Spike Oxylfluorfen 240 EC		3.0	x	0.075	litres	@	\$21.80 /litre	\$4.91
IRRIGATION CIT High Pressure								
Service charge		1	x	7	ML	@	\$30.10 /ML	\$210.70
Delivery Charge Off Peak Consumption		1	x	5	ML	@	\$50.40 /ML	\$252.00
Delivery Charge Peak Consumption		1	x	2	ML	@	\$73.70 /ML	\$147.40
		0	x	0	ha	@	\$0.00 /ha	\$0.00
HARVEST & FREIGHT								
Mechanical harvesting (contractor)		1	x	1.7	hours	@	\$600.00 /hour	\$1,020.00
Freight		1	x	14	tonne	@	\$25.00 /tonne	\$350.00
		0	x	0	tonne	@	\$0.00 /tonne	\$0.00
		0	x	0.00	tonne	@	\$0.00 /tonne	\$0.00
TRACTOR								
Fuel		1	x	25.00	hours	@	\$14.00 /hour	\$350.00
		0.0	x	0.0	hours	@	\$0.00 /hour	\$0.00
		0.0	x	0.0	hours	@	\$0.00 /hour	\$0.00
TOTAL PRODUCTION COSTS							\$3,081	
GROSS MARGIN (\$/ha)							(\$57)	

GROSS MARGIN: WINEGRAPES-red (No delivery V23- Rested patch 1 hectare example)

Save

Note: This is an example only of a per hectare gross margin for red winegrapes (Cabernet Sauvignon, grown with drip irrigation in the Riverland SA,) and would be considered as a basic input level program. Input costs used are indicative only.

						\$ / ha
GROSS INCOME						
Production	Variety					
	Cab Sav	1	tonne/ha	@	\$1,350	/tonne \$1,350
Grower levy		1	tonne/ha	@	\$0.00	/tonne \$0.00
TOTAL GROSS INCOME						\$1,350

VARIABLE COSTS	number of		rate / ha		cost \$ / unit		total
	applications						
DISEASE & PEST SPRAYS							
Sulphur	3	x	6.0	kg	@	\$2.15 /kg	\$38.70
DMI (Mycloss)	0	x	0.16	litre	@	\$160.00 /litre	\$0.00
Downy Mildew (Post Infection Metalaxyl+ Copper)	1	x	2.25	kg	@	\$35.50 /kg	\$79.88
Copper Hydroxide	1	x	1.4	kg	@	\$20.00 /kg	\$27.00
CANOPY MANAGEMENT							
Mechanical pruning (contractor)	1	x	1.7	hours	@	\$125.00 /hour	\$212.50
	0	x	0.0	hours	@	\$0.00 /hour	\$0.00
FERTILISER & NUTRIENT							
EasyN	1	x	40.0	litres	@	\$1.85 /litre	\$74.00
MAP Irrigation grade	1	x	10.0	kg	@	\$2.70 /kg	\$27.00
Foliar Zinc/Manganese (Hortimix)	0	x	2	kg	@	\$3.40 /kg	\$0.00
Foliar Urea Low Bi (0.4%)	0.0	x	5.0	kg	@	\$2.42 /kg	\$0.00
SOIL CONDITIONING							
Grape marc	0	x	0	tonne	@	\$0.00 /tonne	\$0.00
Gypsum	0	x	0	tonne	@	\$0.00 /tonne	\$0.00
Cover crop (2/3 area)	0	x	0	kg	@	\$0.00 /kg	\$0.00
Spreading	0	x	0.0	tonne	@	\$0.00 /hour	\$0.00
	0.0	x	0.0	litres	@	\$0.00 /litre	\$0.00
HERBICIDES							
Glyphosate 450 (1/3 area) Under row	1.0	x	0.8	litres	@	\$18.75 /litre	\$15.00
Glyphosate450 (full cover)	1.0	x	2.4	litres	@	\$18.75 /litre	\$45.00
Spray.Seed (full cover)	1.0	x	3.2	litres	@	\$13.75 /litre	\$44.00
Spike Oxyfluorfen 240 EC	3.0	x	0.075	litres	@	\$21.80 /litre	\$4.91
IRRIGATION CIT High Pressure							
Service charge	1	x	4	ML	@	\$30.10 /ML	\$120.40
Delivery Charge Off Peak Consumption	1	x	4	ML	@	\$50.40 /ML	\$201.60
Delivery Charge Peak Consumption	1	x	0	ML	@	\$73.70 /ML	\$0.00
	0	x	0	ha	@	\$0.00 /ha	\$0.00
HARVEST & FREIGHT							
Mechanical harvesting (contractor)	0	x	1.7	hours	@	\$600.00 /hour	\$0.00
Freight	0	x	1	tonne	@	\$25.00 /tonne	\$0.00
	0	x	0.00	tonne	@	\$0.00 /tonne	\$0.00
TRACTOR							
Fuel	1	x	10.00	hours	@	\$14.00 /hour	\$140.00
	0.0	x	0.0	hours	@	\$0.00 /hour	\$0.00

TOTAL PRODUCTION COSTS **\$1,030**

GROSS MARGIN (\$/ha) **\$320**

CCW CROP DECISION TOOL



**Resting CAS/SHZ.
No Delivery V23
(Mothballing) 3/11/22**



MANTAINING VINE HEALTH WITH FAST RECOVERY TO NORMAL PRODUCTION	MANAGEMENT STRATEGY	ADVANTAGES	DISADVANTAGES	NOTES/COMMENTS
Option 1: Canopy Management- Crop removal	Applying a Gibberellic Acid Canopy Spray at 50% Flowering with the aim to abort fruit set.	Chemical cost approximately \$20-\$25/ha	Little known research data and practical experience with use of GA for crop reduction for these varieties. CCW conducting Field day on Treatments at Monash 15/11/22	Rate 15ppm @ 1200-1500L/HA Good coverage of bunches essential. Used with good effect to reduce crop load by Tandou Vineyards at Menindee, NSW during drought years. (pers comms Shane Phillips Nutrien)
Option 2: Canopy Management – Crop Removal	Hard trim using green trimmer/tipper. To remove as much crop as practically possible.	For Shiraz with a more open canopy as the weight of the canopy increases and “flops” over potential to access bunches with trimmer. Lower cost if have own trimmer.	Trimmer needs to be set up and capable of doing job. Perhaps less effective or more difficult for CAS.	Timing- anytime now. Grower experience to date. <ul style="list-style-type: none"> • Slow going • Hard to get at fruit near the “pruning line” • SHZ 80% fruit removal
Option 3: Canopy Management – Crop removal	Use of vineyard pruner.	Total removal of crop. Significantly reduces water and nutrient requirements and disease pressure	Potential for trunk disease unknown on large wounds.	Prune where there is a weather forecast for extended period of dry weather.
Option 4: Canopy Management -Crop removal	Harvesting to ground	As above.	Cost- unless have access to own harvester. Talk to your harvest operator on options.	When berries begin to soften.
Option 5: Canopy Management- Do nothing	Do Nothing- Leave Fruit on vine	Low-Cost Input	Disease carryover. Fruit Fly rules- unknown at this point in time. Pruning next season with more difficult?	This strategy will deplete the vines carbohydrate reserves with likely lower crop potential the following season.

MANTAINING VINE HEALTH WITH FAST RECOVERY TO NORMAL PRODUCTION	MANAGEMENT STRATEGY	ADVANTAGES	DISADVANTAGES	NOTES/COMMENTS
Irrigation strategies	If fruit removal has been done, water requirements can reduce by over 50%	Use CCW Irrigation App. Set up New Site in App with adjusted (Kc) Crop Coefficient value of 0.2 to 0.25 Kc for Summer.	Be prepared to apply additional water if heatwave conditions arrive. Do not water stress vines as this will affect crop potential the following season.	Maintain same irrigation depth (mm or hours) but extend irrigation interval. (Days between irrigation) Click Here for information sheet on using CCW Irrigation APP
Weed Management	Minimal intervention. Perhaps ?	Minimise cost.	In wet season problem weeds thrive i.e. Fleabane	Consider a full knockdown when summer weed germination complete
Crop nutrition fertilisers	Apply no fertiliser during spring/summer. No foliar Nutrients required.	Fertiliser demand is reduced significantly when there is no fruit. Cost saving	Fertiliser still required in Mid-Autumn of V23 to ensure fast recovery in Spring 23.	In Mid-Autumn apply fertiliser to build up vine reserves for following spring. 20 Units of Nitrogen and 5 Units of Phosphorus
Disease Management Powdery & Downy Mildew	No sprays applied until canopy removal is complete, or fruit is dropped to ground.	Crop and canopy removal reduces disease pressure.	Monitor potential impacts on adjacent patches to be delivered or to neighbours. Beware of potential downy mildew secondary infections and powdery mildew drift to neighbouring patches.	When powdery mildew evident apply control i.e sulphur. Utilise a hot weather day, if possible, to maximise vapour action. If downy becomes established, then sprays maybe required to avoid serve infection and loss of canopy
Financial management	Use CWW Simple Gross Margin tool.	Keep track of input costs.		Click Here to download CCW Simple Gross margin tool.
Farm Business Support Services.	Consider accessing these services if required.	Confidential and professional business assistance.		Click Here for information. <ul style="list-style-type: none"> • PIRSA FaB Mentors • Rural Financial Counselling Services (RFCS)

Disclaimer:

The information supplied in this document is supplied in good faith and is of a general nature. Growers should therefore seek a professional opinion from qualified personnel on how to apply it to each specific site and always comply with the wineries requirements, food safety legislation and information on chemical product labels. Accordingly, neither CCW Co-operative Limited nor any of its Directors or employees accept any responsibility for the effects arising therefrom including by reason of negligence, error, or omission.





1956

1931

1974

1975

1973

1952

1990

1993

1981

1992

1991

1951

1964

1927

1989

Thank You