



GIAV Crop tour - Sponsored by Ridley AgriProducts

After a floods clipped the number of paddocks we were able to assess last year, the 2023 tour provided a great opportunity to cover more ground and get a better view of how crops are looking.

Sponsor - The GIAV wishes to thank our sponsor Ridley AgriProducts who generously support this tour.

Drivers - Special mention is also made to our drivers who provided cars and transport for our crop scouts this year. Our drivers were Dale Boyd Ag Victoria, Tim Koeppler Charles Taylor Adjusting, Krissy Campbell CopRice, Josh Maher Crawford Agriculture, Sophie Lillie GrainCorp, Marcus Williams Malteurop, Tristan Monti National Australia Bank, Heidi Moncrieff Riordan Grain Services, Jakobus Wichmann Saputo Dairy Australia

2023 Crop Scouts

Dale	Boyd	Ag Victoria
Tim	Koeppler	Charles Taylor Adjusting
Krissy	Campbell	CopRice
Josh	Maher	Crawford Agriculture
Colin	Peace	GIAV
Sophie	Lillie	GrainCorp
Marcus	Williams	Malteurop
Tristan	Monti	National Australia Bank
Heidi	Moncrieff	Riordan Grain Services
Jakobus	Wichmann	Saputo Dairy Australia
J'Amela	Bitar	Uni of Melbourne
Stephanie	Paul	Uni of Melbourne
Sabita	Joshi	Uni of Melbourne
Lin (Flynn)	Fu	Uni of Melbourne
Ankush	Saini	Uni of Melbourne
Huaixin	Zhang	Uni of Melbourne
Dale	Grey	Ag Victoria
Gemma	Petsinis	CopRice
Mark	Young	Crawford and Company
Ryan	Hopcroft	Ingham's Enterprises
Adam	Colgrave	Inghams
Anton	Nguyen	Lachstock Consulting
James	Barber	Lachstock Consulting
Georgia	Quinn	LDC
Sheridan	Watts	LDC
Joe	Boyle	Rural Bank

2023 wheat results

	2022 Yield Est (t/ha)	2023 Yield Est (t/ha)	YOY Change	Assessments 2022	Assessments 2023
Victoria					
Corangamite	5.00	4.56		0	0
Glenelg Hopkins	5.00	5.32	6.4%	2	9
Goulburn Broken	4.60	3.83	-16.7%	14	24
Mallee	3.52	3.46	-1.7%	35	61
North Central	3.69	4.21	14.1%	16	48
North East	4.60	3.83		0	0
Port Phillip & Western Pt	4.09	4.16		0	0
Wimmera	4.09	4.12	0.7%	51	58
West Gippsland	4.09	4.39		0	0
East Gippsland	4.09	3.68		0	0
NSW					
Murray	4.64	3.44	-25.9%	35	61
Riverina	5.02	2.66	-47.0%	15	31

Wheat Summary

	2022	2023	YOY change
Vic GIAV Tour Estimates yield t/ha	3.91	3.95	100.9%
Vic ABARES Sept 23 Estimate yield		2.66	
Vic GIAV Tour Estimates production using DAS area data tonne	5,855,657	5,904,696	



Euberta, north of Wagga Wagga missed the early Oct rains and large cracks are showing. Wheat still estimated at 2.7 t/ha

2023 barley results

	2022 Yield Est (t/ha)	2023 Yield Est (t/ha)	YOY Change	Assessments 2022	Assessments 2023
Victoria					
Corangamite	6.00	6.60		0	0
Glenelg Hopkins	6.00	7.18		0	0
Goulburn Broken	3.96	4.92	24.2%	8	8
Mallee	5.13	3.73	-27.3%	35	42
North Central	4.69	4.56	-2.8%	59	48
North East	4.00	4.68		0	0
Port Phillip & Western Pt	5.00	4.68		0	0
Wimmera	6.00	4.86	-19.0%	33	50
West Gippsland	5.00	2.86		0	0
East Gippsland	5.00	5.49		0	0
NSW					
Murray	NA	4.45		0	17
Riverina	4.09	4.59	12.2%	4	12

Barley summary

	2022	2023	YOY Change
Vic GIAV Tour Estimates yield t/ha	5.21	4.25	81.5%
Vic ABARES Sept 23 Estimate yield	2.71		
Vic GIAV Tour Estimates production using DAS area data tonne	3,876,331	3,351,126	



Left - Barley crop at Lubeck estimated at 7.7 t/ha

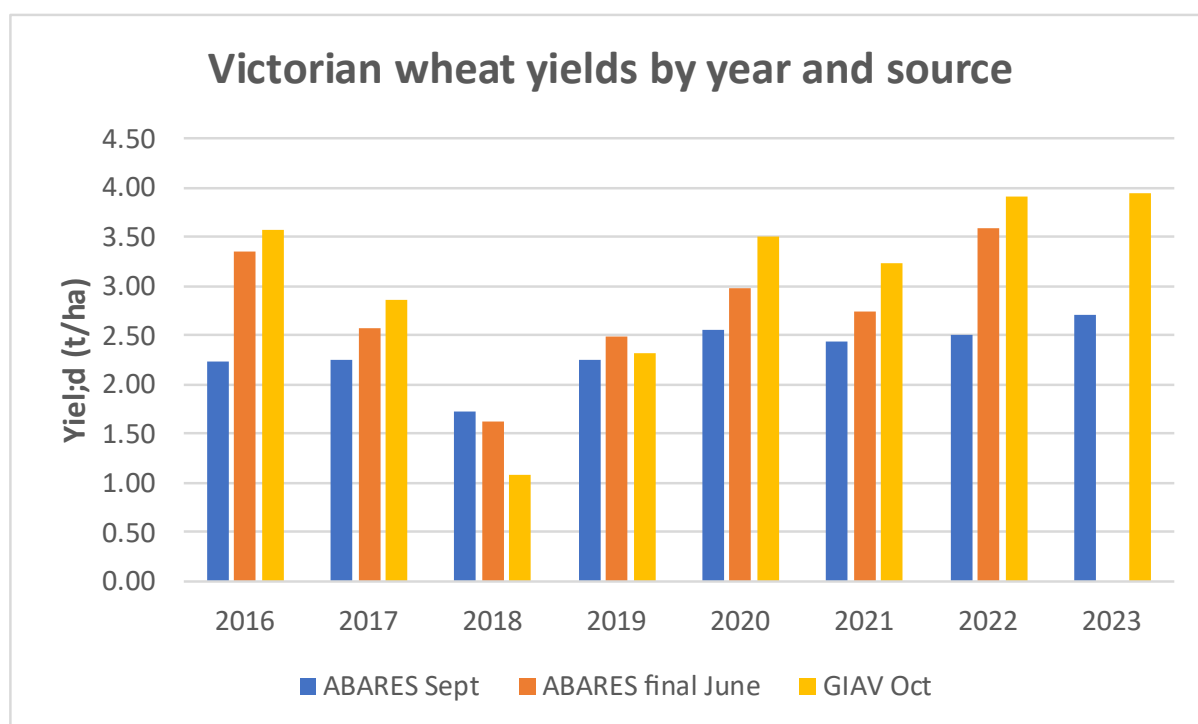
Photo credit to Dale Boyd Ag Vic

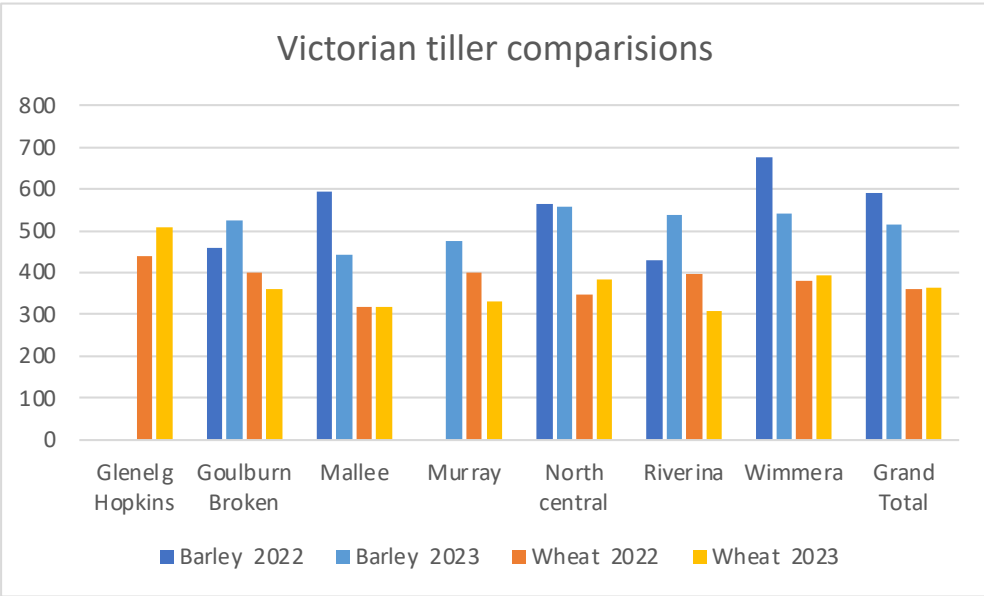
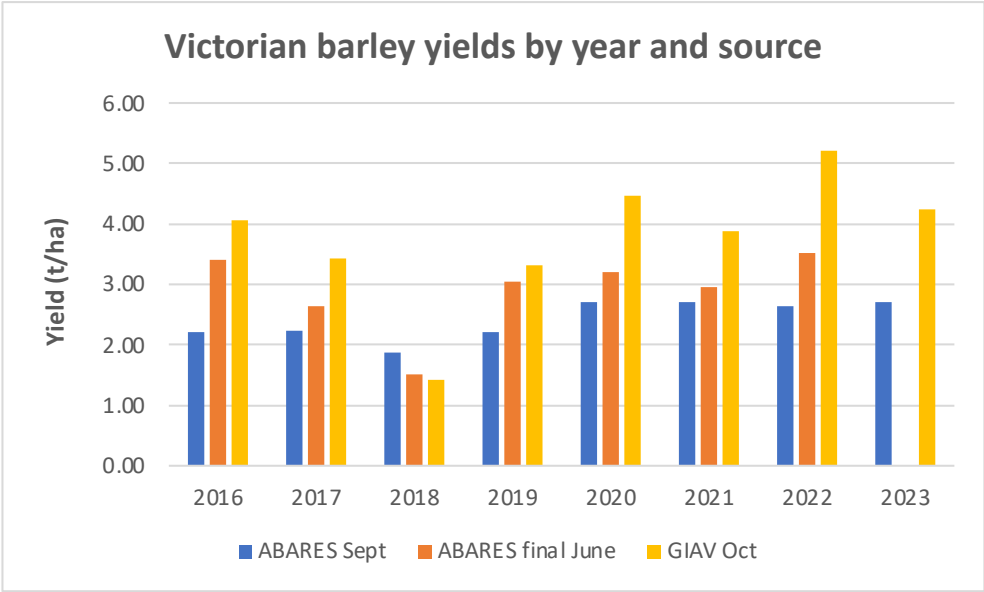
Right – Barley crop at Underbool estimated at 4.06 t/ha



Notes to results

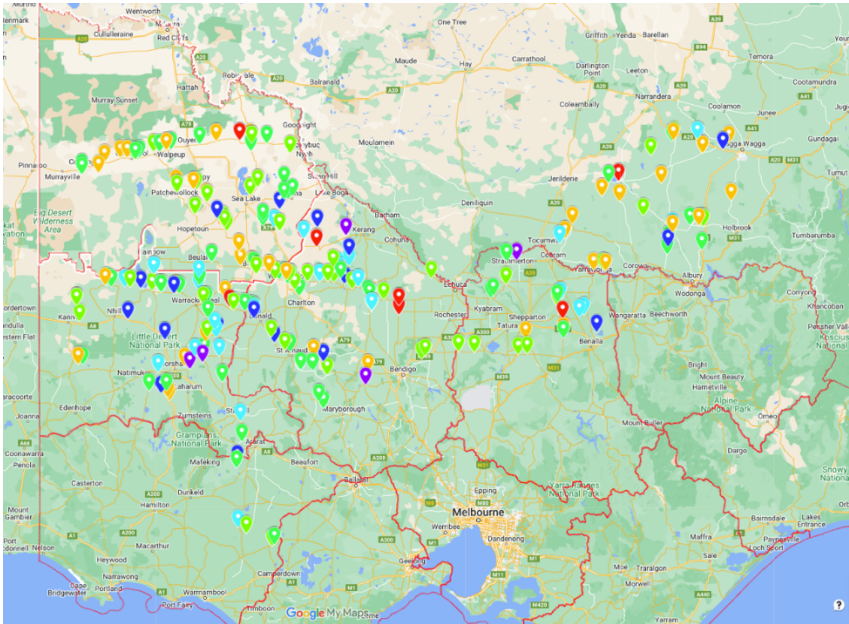
- 1 State yields are weighted averages using regional area estimated provided by Digital Agricultural Services
- 2 These are the yield estimates from the crops visited using factors that are used commonly by agronomists
- 3 The Corangamite was not assessed and to build the state average the Glenelg Hopkins wheat yield was used
- 4 Some frosting may have occurred in the Wimmera since these assessments and some florets may not have filled north of the Murray River
- 5 Wheat yields south of the Divide not assessed and assumed to the same proportion of the Glenelg Hopkins yield as the 2021 census
- 6 Barley yields for the North East and south of the Divide (not assessed) are assumed to be the same proportion as the Wimmera census mean
- 7 Grain weights used are 0.028 g for wheat and 0.035 g for barley which are not the highest possible but do assume good moisture for grain fill
- 8 Wheat yield has been corrected with a 0.82 floret factor to account for fewer florets in other spikelets higher in each head (Reference)
- 9 Yields are means of the estimates for each region
- 10 Results may include elements of bias and transcription errors but all reasonable attempts have been made to avoid them
- 11 Bias may enter in terms of the paddocks that were selected for assessment, the portions of the paddock assessed and the heads that were assessed but these factors tend to be minimal when considering the YOY results
- 12 The fall in barley yield in Vic can be attributed to the lower tiller counts in the Mallee and Wimmera in 2023





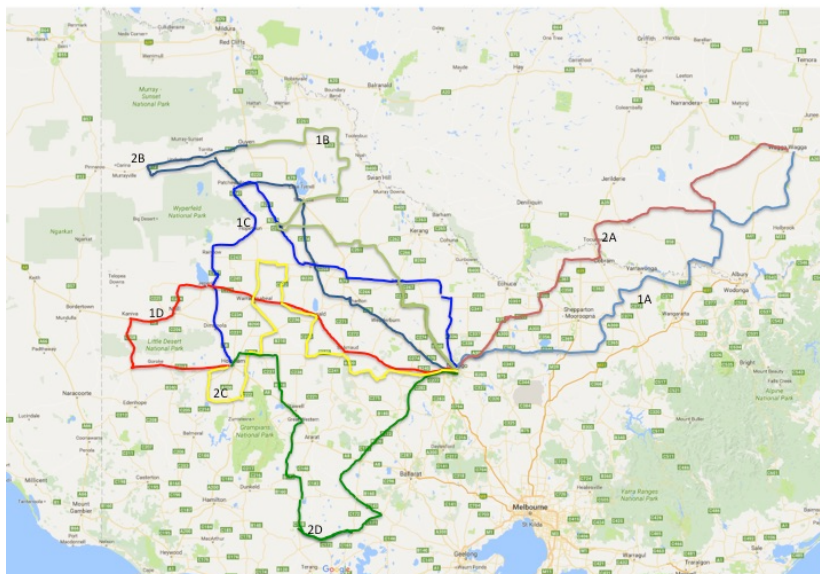
Yield Map 2023

- 0 - 2.1 (20)
- 2.2 - 3 (78)
- 3.1 - 3.9 (119)
- 4 - 4.9 (128)
- 5 - 5.8 (59)
- 5.9 - 6.7 (41)
- 6.8 - 8.9 (11)



Drive by paddock survey

With the aid of Ag Vic staff, GIAV scouts participated in gathering data of paddock counts while travelling during the crop tour this year. This involved counting the number of paddocks by crop type, typically wheat, barley and canola while travelling. 1,305 paddocks in Victoria were counted. The routes travelled are mapped below:



The paddocks survey results are:

	2023	Wheat	%	Barley	%	Canola	%	TOTAL	Wheat: Barley
Mallee	117	42.9	122	44.7	34	12.5	273	0.96	
Wimmera	269	41.2	213	32.6	171	26.2	653	1.26	
North Central	92	42.2	57	26.1	69	31.7	218	1.61	
Northeast	32	52.5	4	6.6	25	41	61	8.00	
Southwest	45	45	10	10	45	45	100	4.50	
Southern NSW	146	51.8	36	12.8	100	35.5	282	4.06	

When considering these results against the DAS imagery based area data, these results suggest that there was a lot higher proportion of barley grown in Victoria relative to wheat. If the total area of the DAS wheat and barley are re-apportioned to the drive by proportions, some different production numbers are estimated.

Production Summary

	Wheat		Barley	
	2022	2023	2022	2023
Vic GIAV Tour Estimates yield t/ha	3.91	3.95	5.21	4.25
Vic ABARES Sept 23 Estimate yield		2.66		2.71
Vic GIAV Tour Estimates using DAS area data tonne	5,855,657	5,904,696	3,876,331	3,351,126
Vic GIAV Tour Estimates using drive by paddock area data tonne		5,262,227		4,048,288

These drive by planted area estimates are 8% higher than the ABARES 5-year average for wheat and 8% below the ABARES 5-year average for barley.