



## GIAV 2018 Crop Tour – Sponsored by Perkins & Co Resources

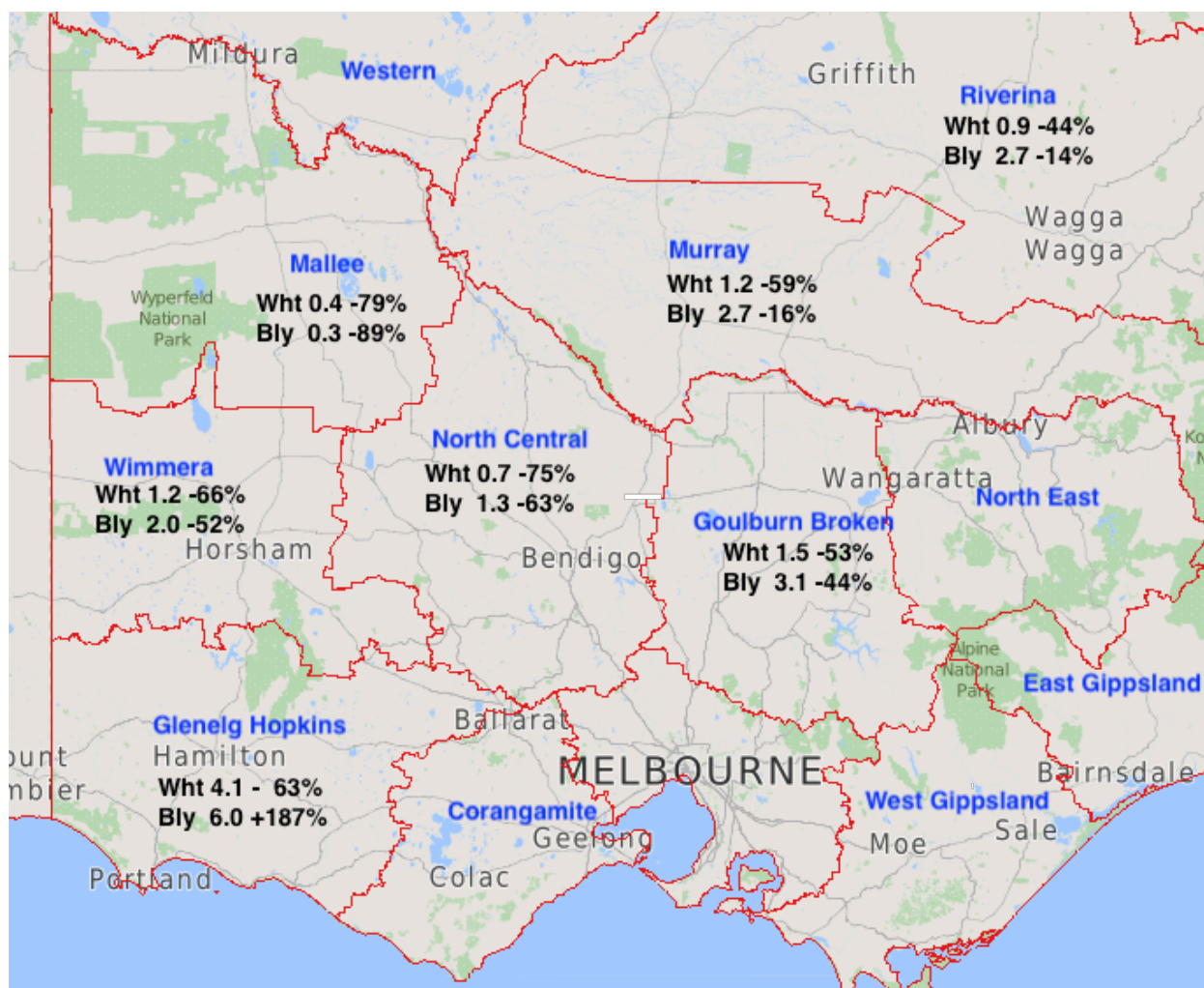
Third tour estimates yields back 58 to 62%

On October 17 and 18, 24 GIAV members, interstate grain merchants and analysts in 8 cars, travelled over 8,000 kms and surveyed 256 paddocks of wheat and barley across Victoria and southern NSW.

On our third GIAV pre-harvest Crop Tour, results from the team of crop assessors estimate Victorian wheat yields at 1.07 t/ha and Victorian barley yields at 1.43 t/ha, which are 62% and 58% lower than the respective estimates of last year's crop tour.

### Observations

Crop assessors reported 38% of paddocks were either cut for hay or will be abandoned and noted the impacts of head and stem frost, throughout all areas.



Regions assessed and 2018 yields (t/ha) compared to 2017 (%)

### Methodology

The yield estimates are modelled from tillers or heads per m<sup>2</sup>, grains per head and grain weight factors commonly used by agronomists. The 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 soil moisture for grain fill. The wheat yield has been corrected with a 0.82-floret factor to account for fewer florets in other spikelets higher in each head. (Reference [Seed Development and Germination](#))

Results may include elements of bias and statistical errors but all reasonable attempts have been made to avoid them. The paddocks that were selected for assessment, the portions of the paddock assessed and the heads that were assessed can all contribute to bias. Yields are medians of the estimates for each region. Sterilizing boot wash kits were used to minimise any biosecurity risks.

Agronomists and analysts have highlighted that raw data such as this can provide yields higher than actual. The GIAV does not undertake planted area surveys and the limited sample size limits the capacity to directly extrapolate robust production estimates from his data, but value can be gained from year on year comparisons.

### GIAV 2017 Crop Tour Survey Summary

Region (NRMR)	Number of assessments			Yield Est (t/ha)			2018 YOY % change	Failed / Cut %
	2016	2017	2018	2016	2017	2018		
<b>Wheat</b>								
Wimmera	58	88	86	3.88	3.64	1.25	-65.8%	29.1%
Mallee	65	126	111	2.45	1.99	0.41	-79.4%	36.9%
North Central	54	98	96	3.89	2.91	0.74	-74.8%	30.2%
Corangamite	11	13	NR	5.68	4.60	NR	NR	NR
Glenelg Hopkins	19	4	18	6.21	4.42	4.06	-8.2%	11.1%
Goulburn Broken	12	64	20	5.14	4.00	1.49	-62.7%	0.0%
Murray (NSW)	18	34	47	4.16	2.87	1.18	-58.9%	0.0%
Riverina (NSW)	0	29	23	NR	1.65	0.92	-44.7%	4.3%
Western (NSW)	0	11	NR	NR	1.20	NR	NR	NR
Totals	237	467	401					
GIAV Tour Estimate Victoria				3.58	2.85	1.07	-62.4%	
ABARES Estimate Victoria				3.35	2.26	1.72	-23.8%	
<b>Barley</b>								
Wimmera	67	63	62	5.06	4.10	1.98	-51.8%	22.6%
Mallee	49	97	54	2.80	2.73	0.29	-89.5%	42.6%
North Central	46	62	79	4.55	3.47	1.27	-63.3%	22.8%
Corangamite	11	3	0	5.61	5.61	NR	NR	NR
Glenelg Hopkins	15	2	18	5.44	2.10	6.02	186.7%	0.0%
Goulburn Broken	7	59	4	5.83	5.52	3.10	-43.7%	0.0%
Murray (NSW)	15	14	17	3.39	3.26	2.74	-15.8%	0.0%
Riverina (NSW)	0	10	12	NR	3.12	2.68	-14.2%	0.0%
Western (NSW)	0	4	0	NR	2.28	NR	NR	NR
Totals	210	314	246					
GIAV Tour Estimate Victoria				4.06	3.42	1.43	-58.3%	
ABARES Estimate Victoria				3.40	2.22	1.88	-15.6%	

Only results and estimates for Victoria are included in the Victorian weighted average. The Mallee and Murray region barley yields appear high and may represent a different cross section of paddocks compared to last year's tour. The GIAV wishes to thank our crop assessors for their diligence, grain growers for their support, Dale Grey and Dale Boyd of Agriculture Victoria for their technical advice and Perkins & Co Resources for their sponsorship of the GIAV Crop Tour.