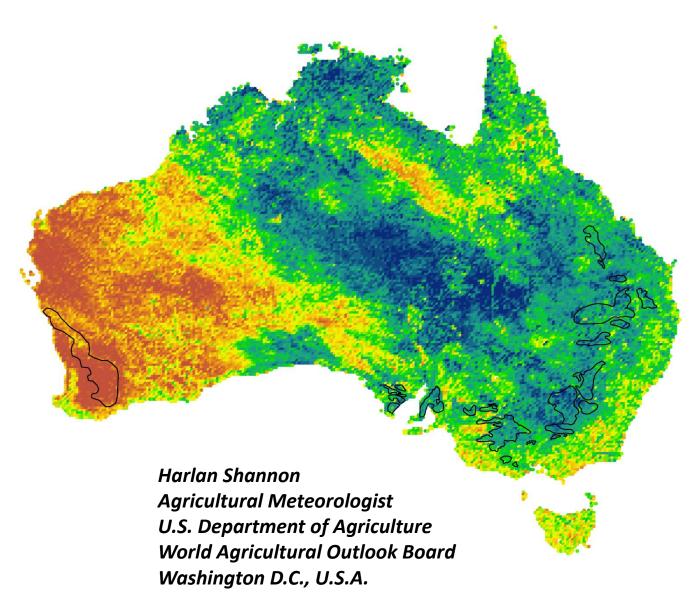
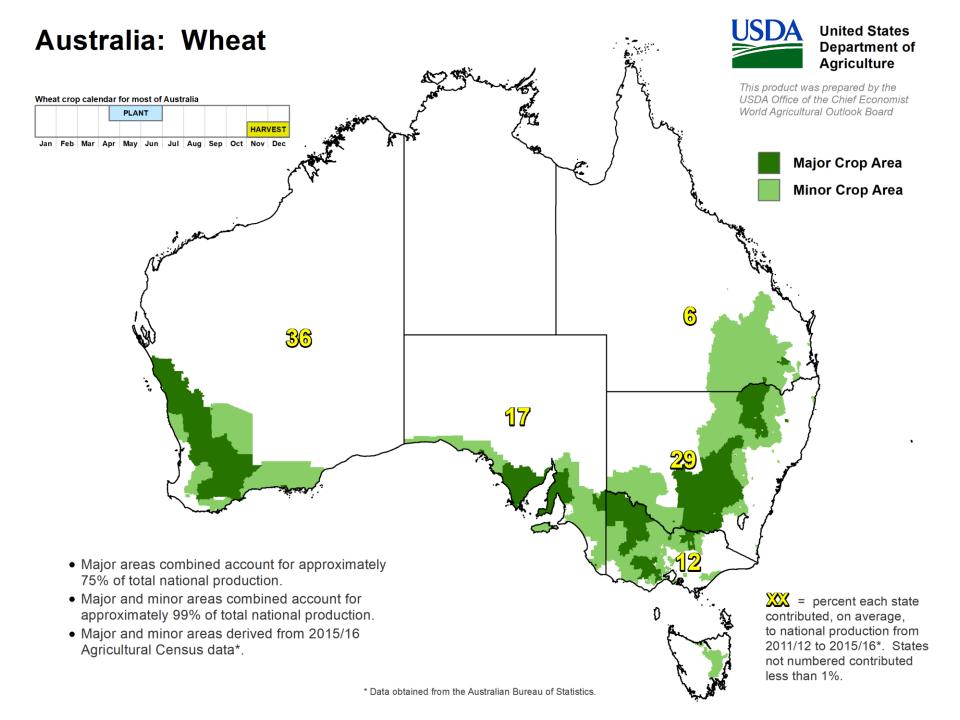
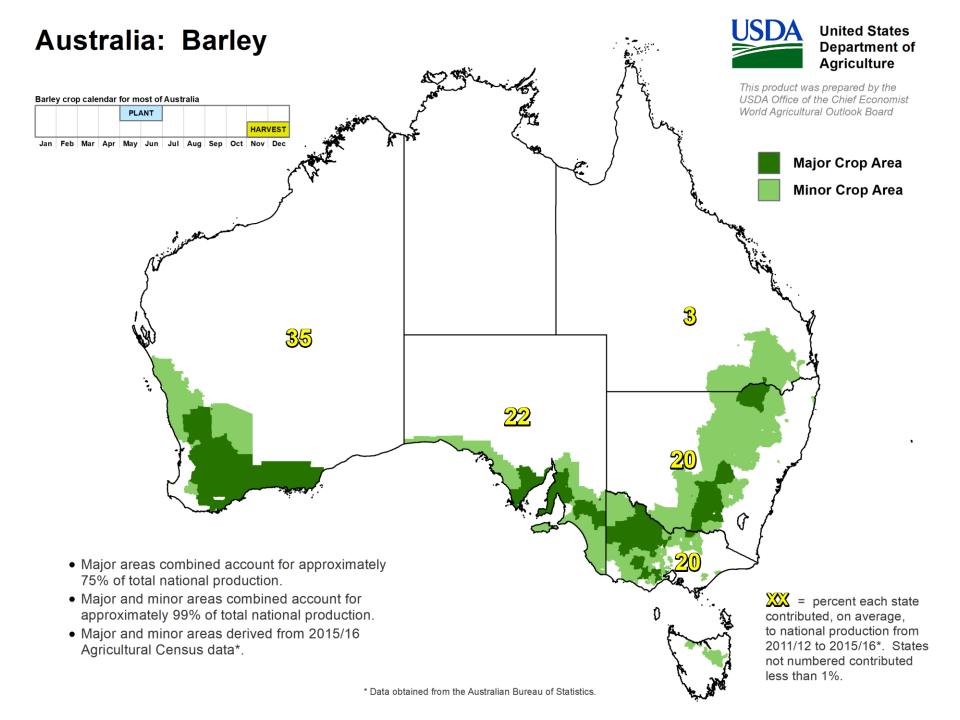
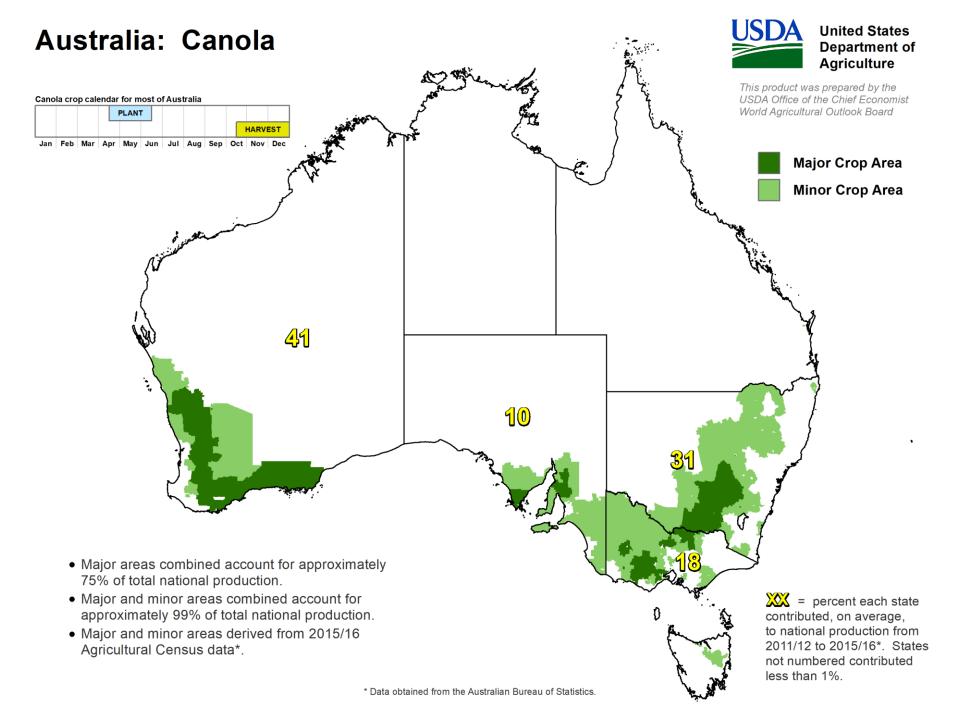
Vegetation Health Index:

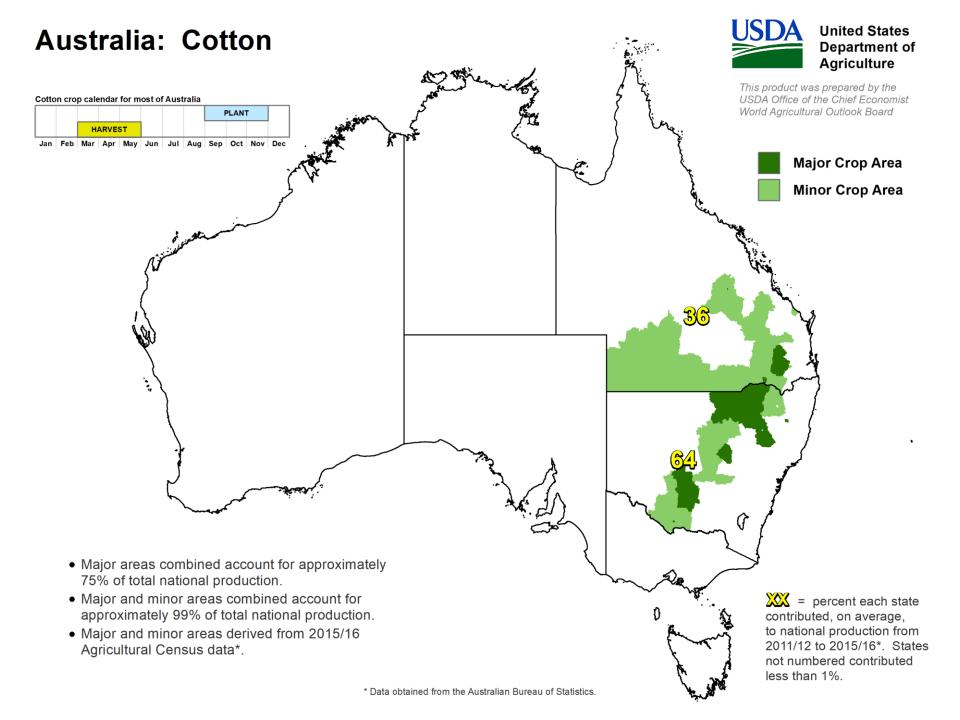
Integration into Australia wheat yield forecasting

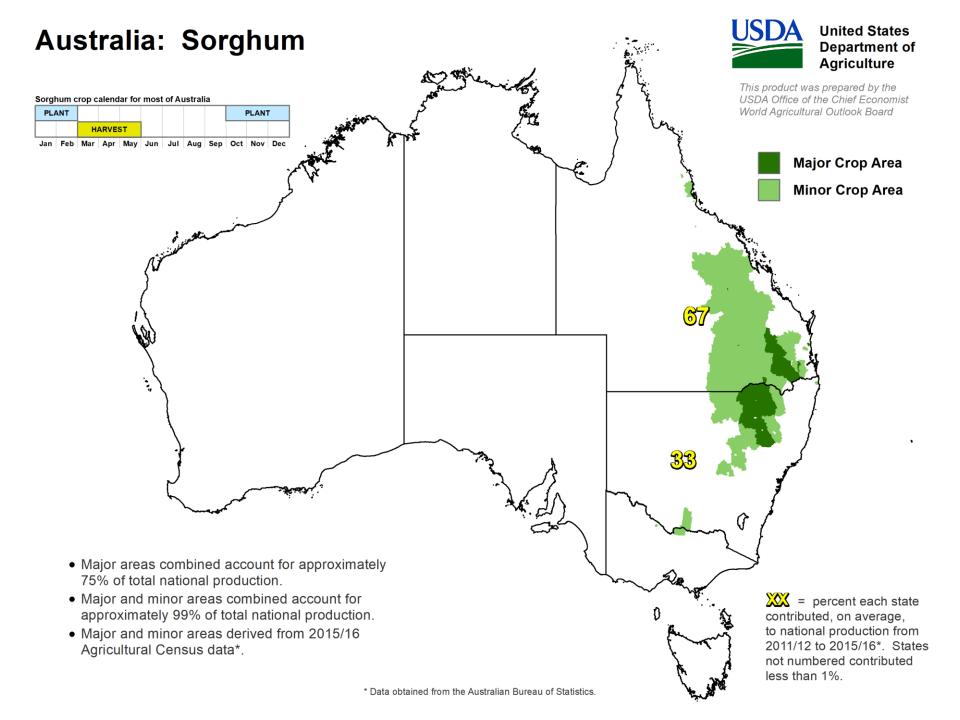


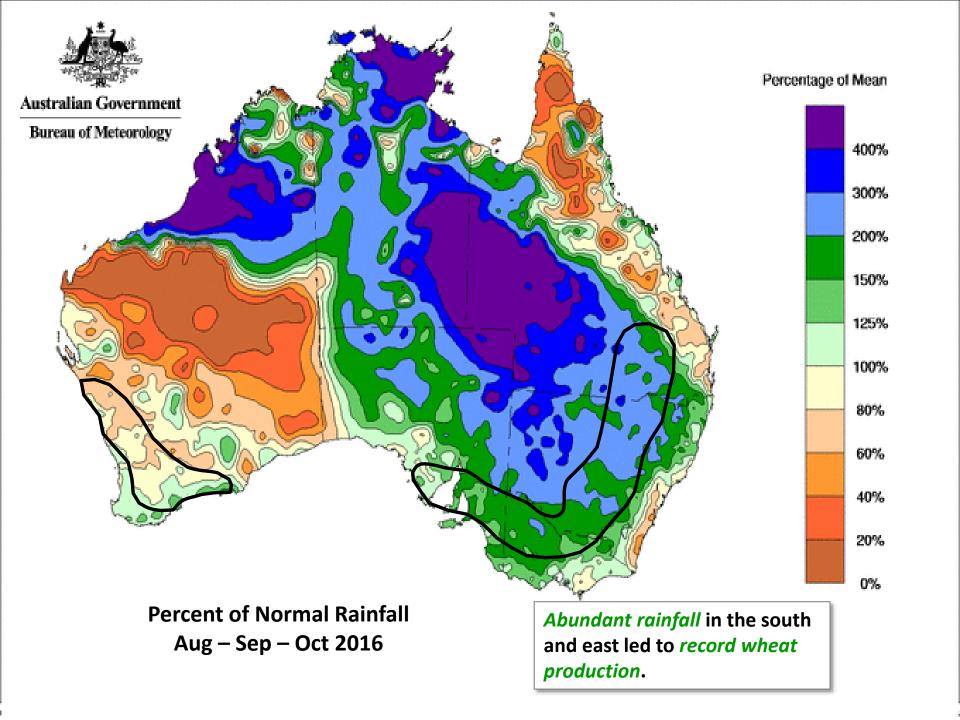


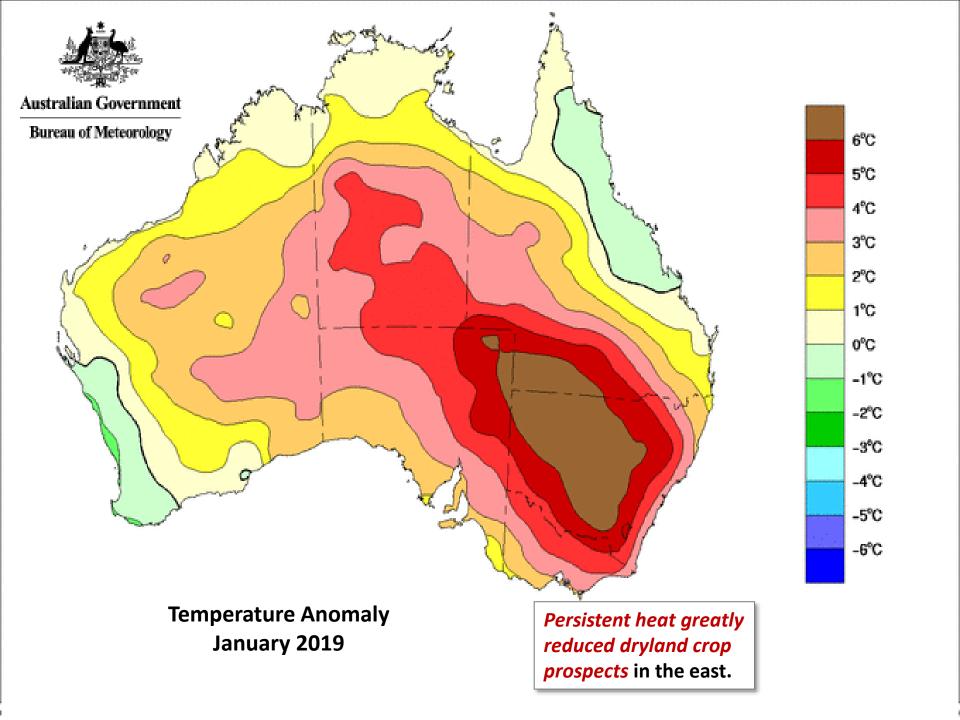


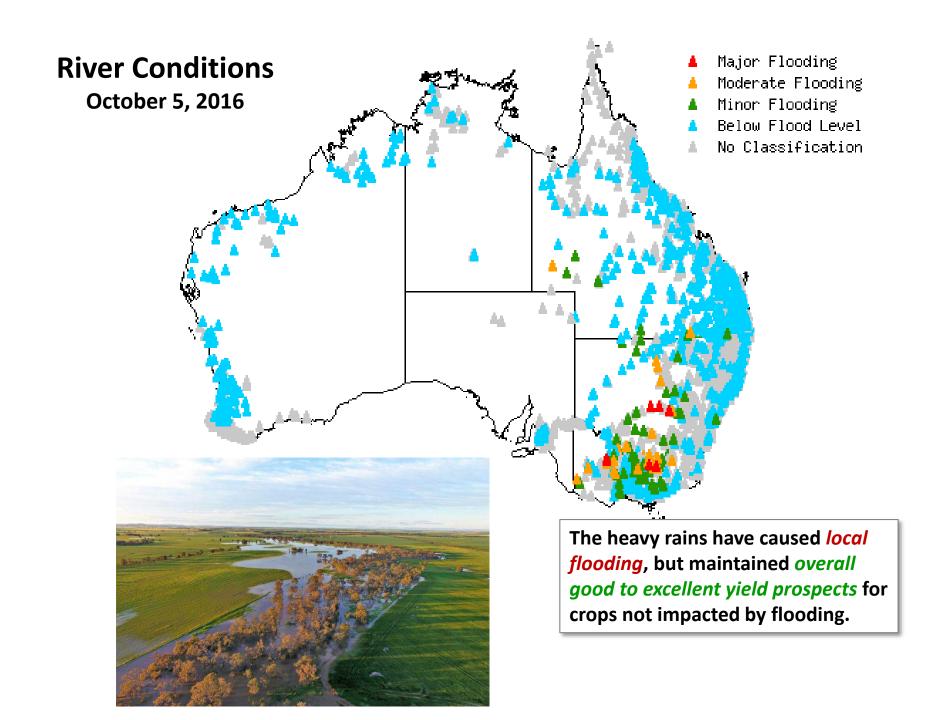




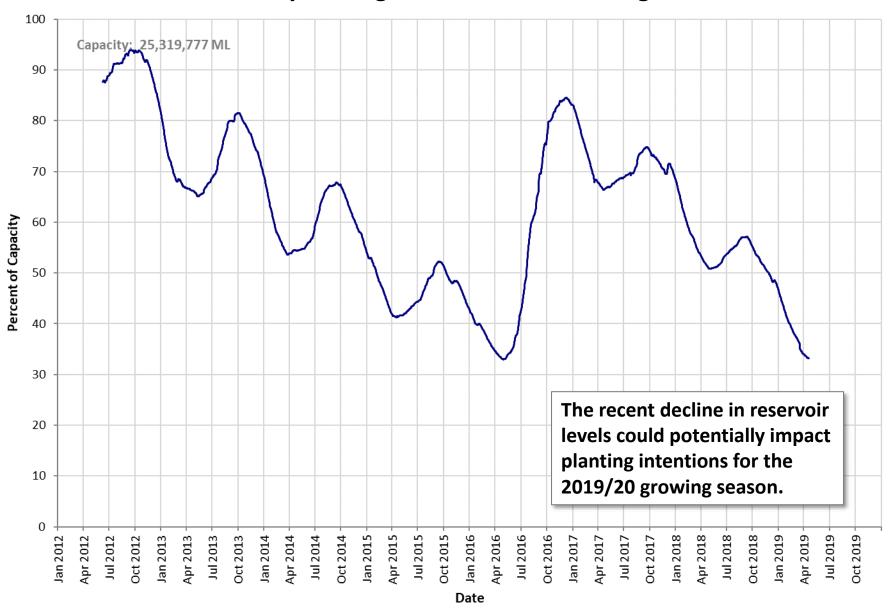




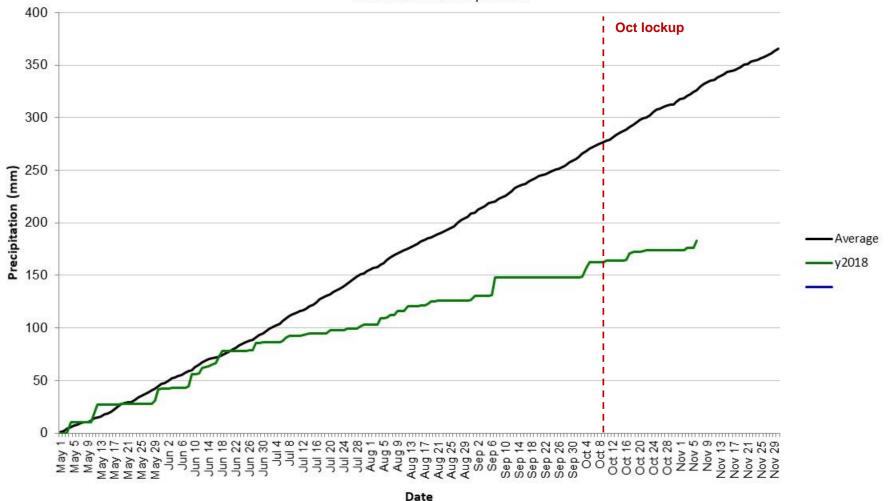




Murray-Darling Basin – Water in Storage

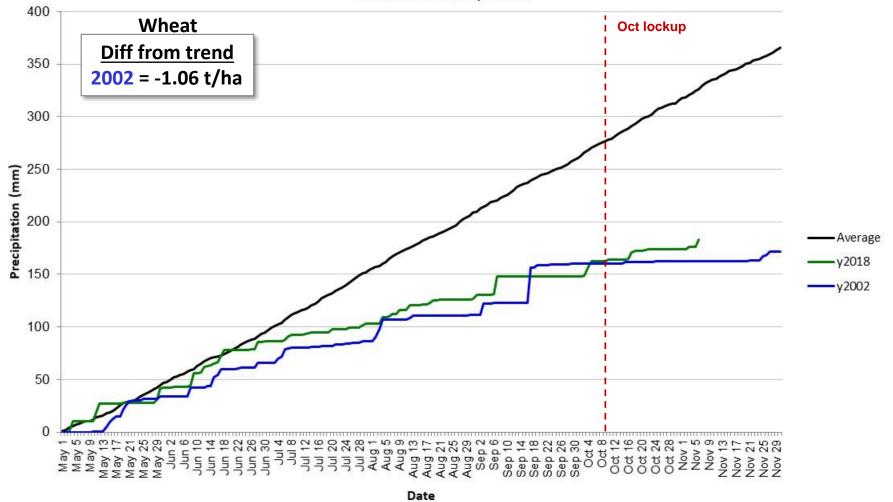


New South Wales - Southern

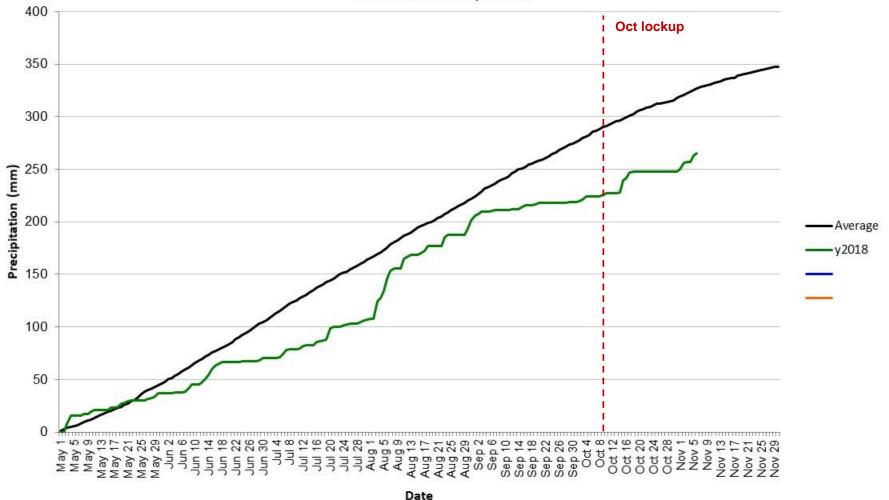




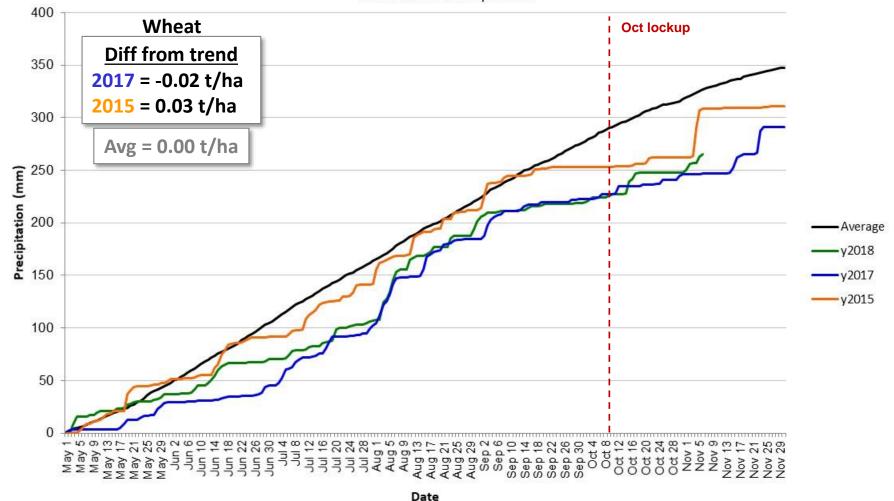
New South Wales - Southern



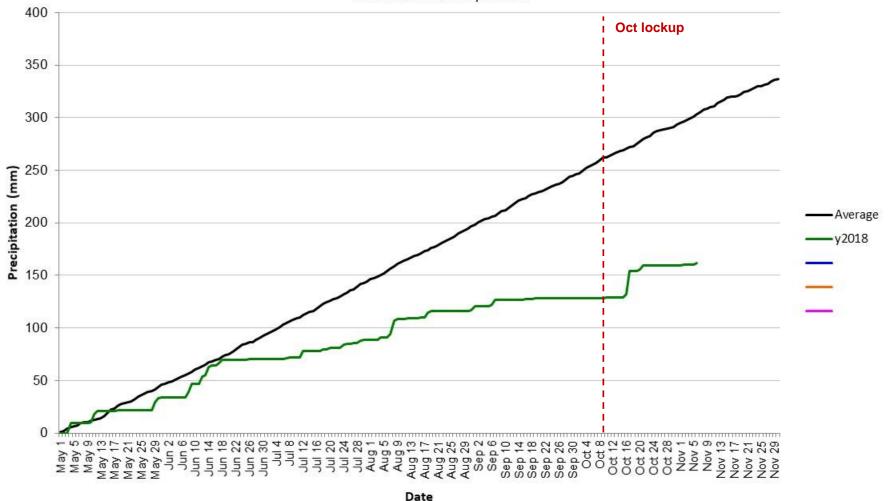
South Australia - Central



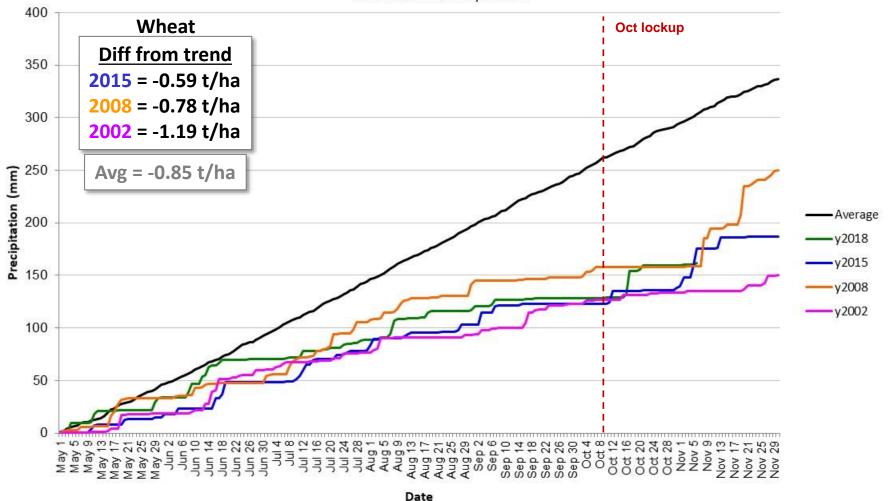
South Australia - Central



Victoria - North Central



Victoria - North Central



Analog year analyses

Yield estimate (t/ha)

Western Australia	1.99	
South Australia	2.13	
Victoria	1.10	
New South Wales	1.05	
Queensland	1.48	

National Estimate

Analog year analyses

	Area estimate (Mha)	Yield estimate (t/ha)	
Western Australia	4.8	1.99	
South Australia	2.1	2.13	
Victoria	1.6	1.10	
New South Wales	2.1	1.05	
Queensland	0.5	1.48	

National Estimate

11.0

Analog year analyses

	Area estimate (Mha)	Yield estimate (t/ha)	Production estimate (Mt)
Western Australia	4.8	1.99	9.6
South Australia	2.1	2.13	4.4
Victoria	1.6	1.10	1.7
New South Wales	2.1	1.05	2.2
Queensland	0.5	1.48	0.7

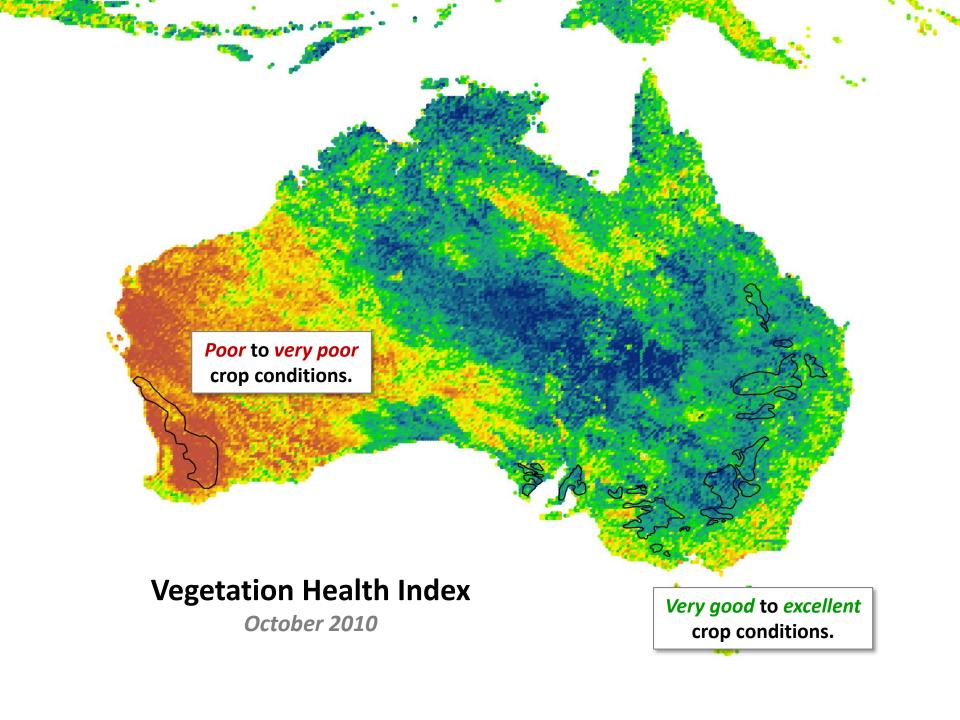
National Estimate

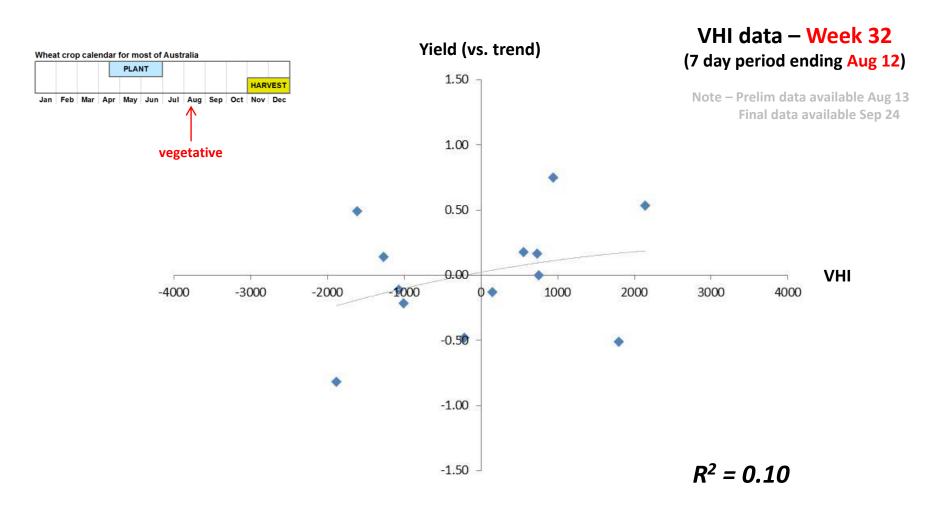
11.0

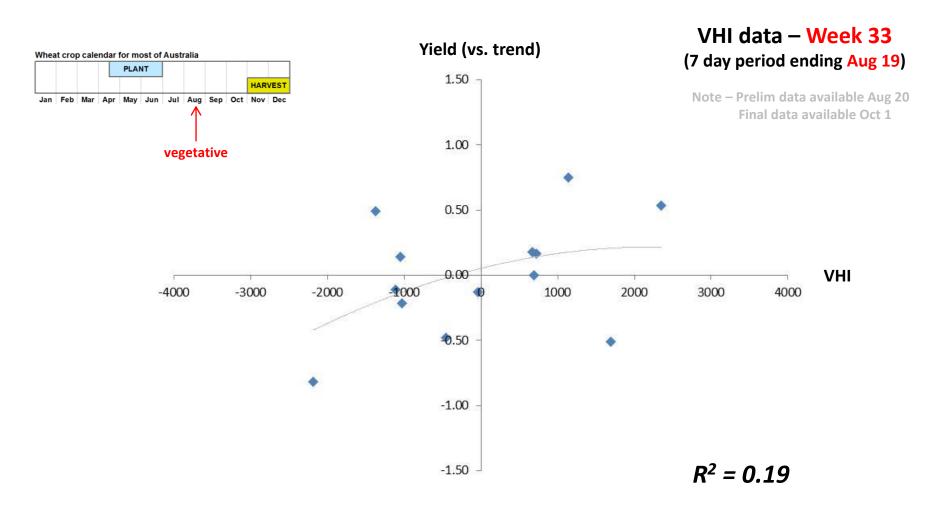
18.6

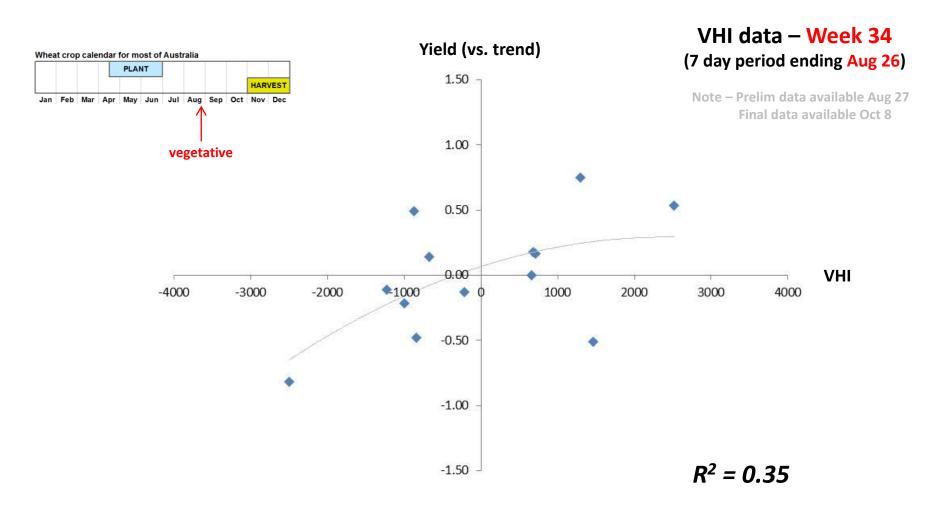
Analog year analyses

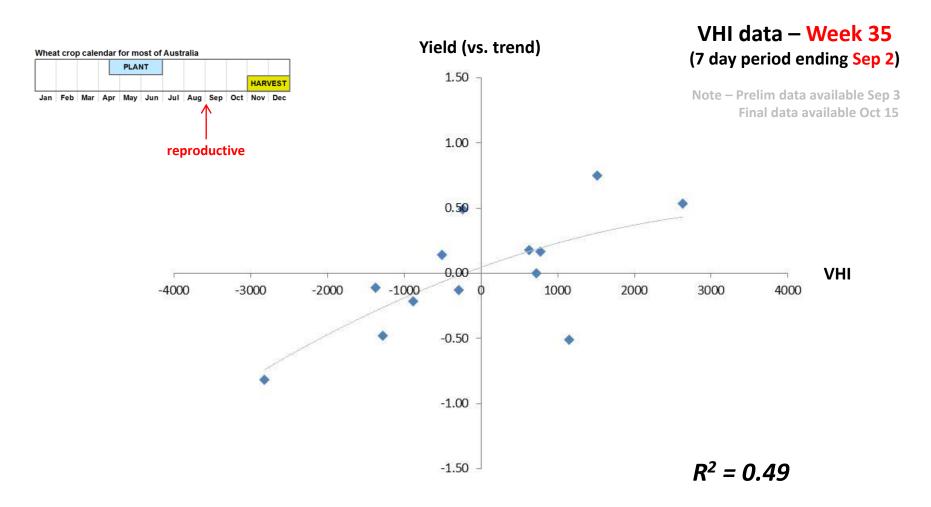
	Area estimate (Mha)	Yield estimate (t/ha)	Production estimate (Mt)
Western Australia	4.8	1.99	9.6
South Australia	2.1	2.13	4.4
Victoria	1.6	1.10	1.7
New South Wales	2.1	1.05	2.2
Queensland	0.5	1.48	0.7
National Estimate	11.0	1.69	18.6

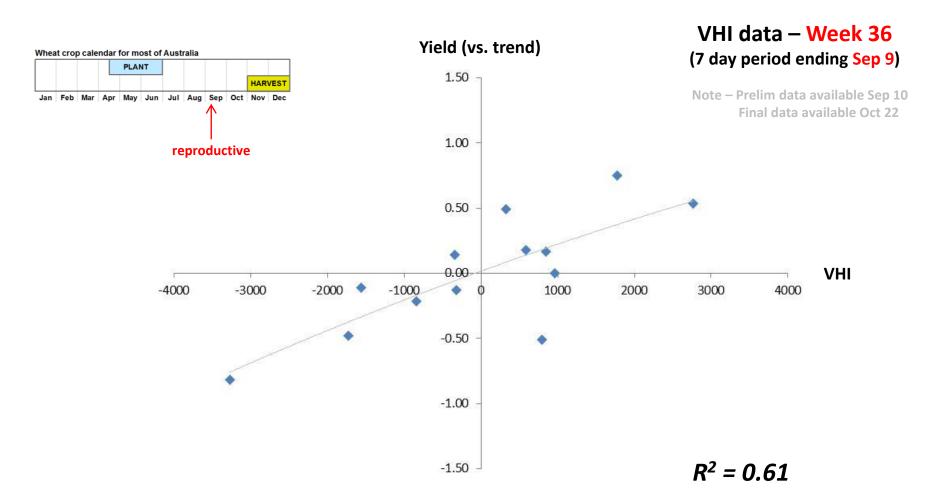


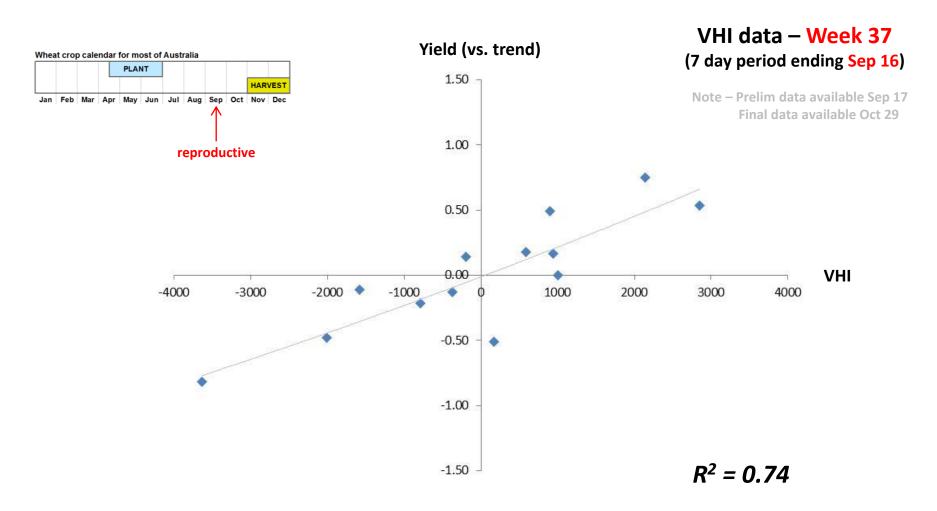


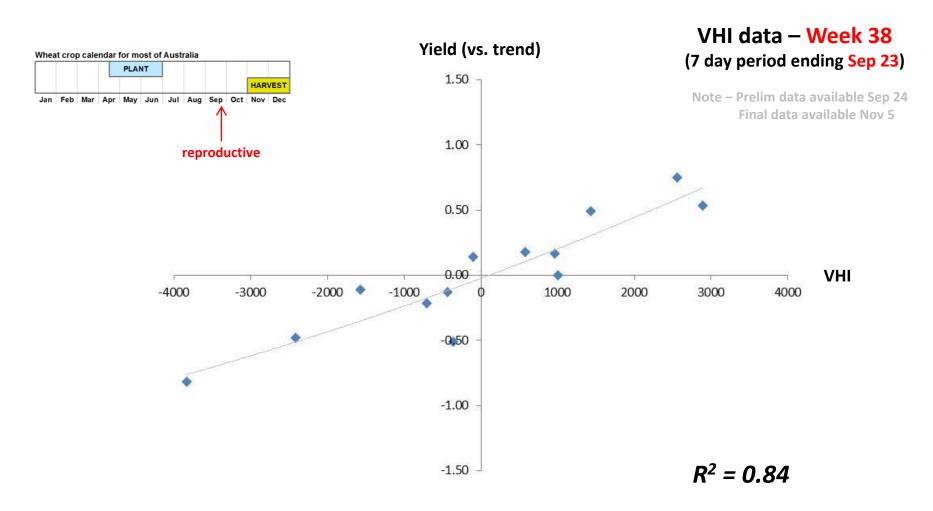


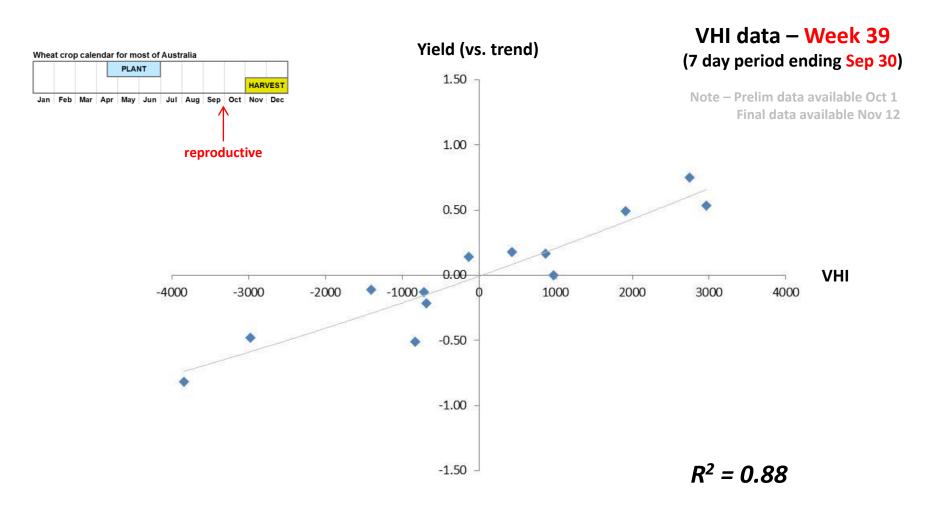


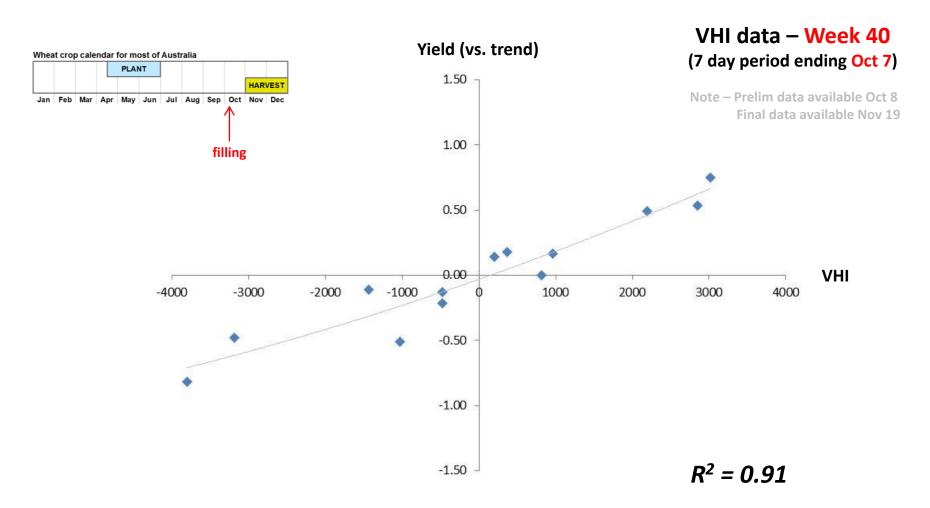


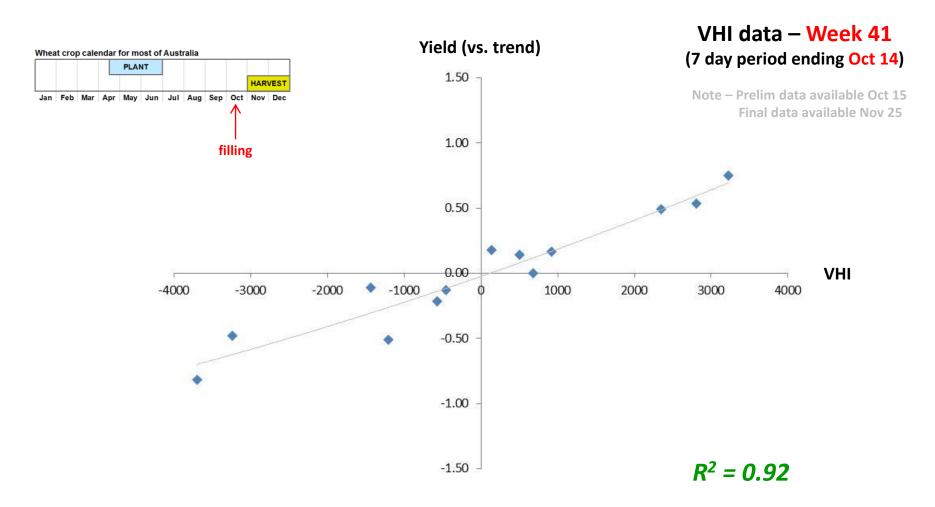








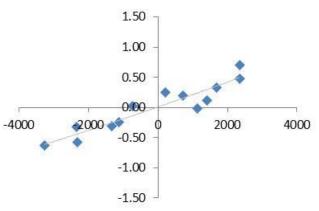




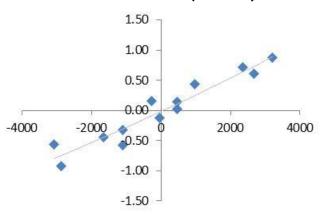
Vegetation Health Index vs. Wheat Yields

The relationship between VHI and wheat yields is strong in these states as well...

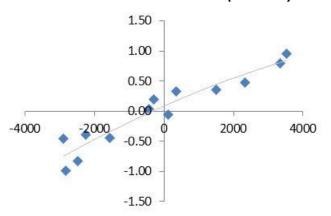




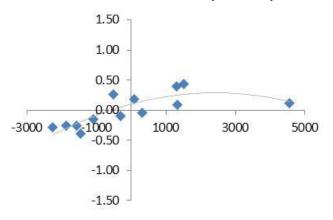
Victoria: $R^2 = 0.92$ (week 42)



New South Wales: $R^2 = 0.91$ (week 42)



Queensland: $R^2 = 0.70$ (week 42)



	Estimated area (ha)	VHI yield (t/ha) prod (Mt)
Western Australia	5,150,000	1.71 8.8
South Australia	2,360,000	2.09 4.9
Victoria	1,625,000	1.61 2.6
New South Wales	3,900,000	2.08 8.1
Queensland	750,000	1.69 1.3
National Estimate	13,785,000	1.87 25.7

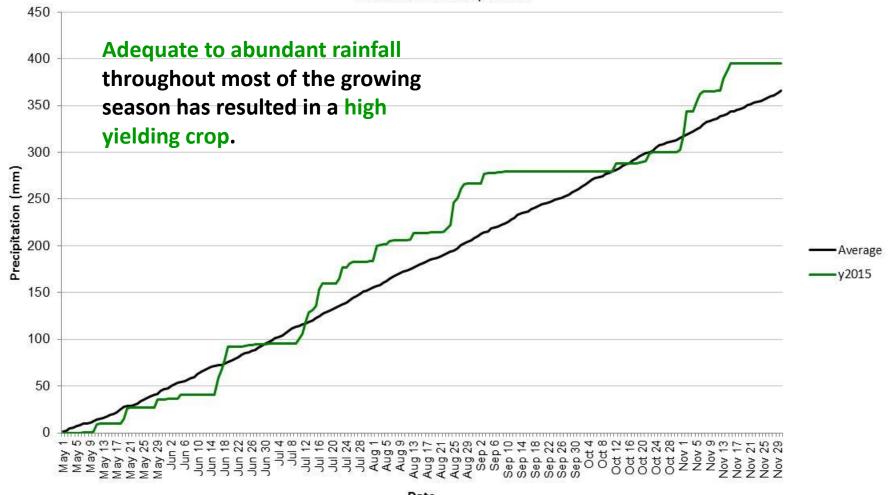
	Estimated area (ha)	VHI yield (t/ha) prod (Mt)	ABARES yield (t/ha) prod (Mt)
Western Australia	5,150,000	1.71 8.8	1.69 8.7
South Australia	2,360,000	2.09 4.9	1.85 4.4
Victoria	1,625,000	1.61 2.6	1.54 2.5
New South Wales	3,900,000	2.08 8.1	1.82 7.1
Queensland	750,000	1.69 1.3	1.67 1.3
National Estimate	13,785,000	1.87 25.7	1.74 24.0

	Estimated area (ha)	VHI yield (t/ha) prod (Mt)	ABARES yield (t/ha) prod (Mt)
Western Australia	5,150,000	1.71 8.8	1.69 8.7
South Australia	2,360,000	2.09 4.9	1.85 4.4
Victoria	1,625,000	1.61 2.6	1.54 2.5
New South Wales	3,900,000	2.08 8.1	1.82 7.1
Queensland	750,000	1.69 1.3	1.67 1.3
National Estimate	13,785,000	1.87 25.7	1.74 24.0

	Estimated area (ha)	VHI yield (t/ha) prod (Mt)	ABARES yield (t/ha) prod (Mt)
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Victoria	1,625,000	1.61 2.6	1.54 2.5
New South Wales	3,900,000	2.08 8.1	1.82 7.1
Queensland	750,000	1.69 1.3	1.67 1.3
National Estimate	13,785,000	1.87 25.7	1.74 24.0

New South Wales - Southern

Cumulative Precipitation

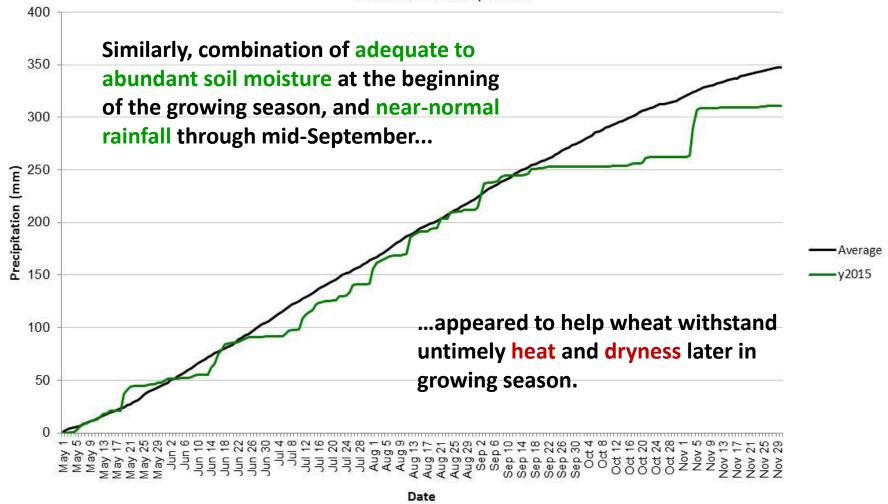


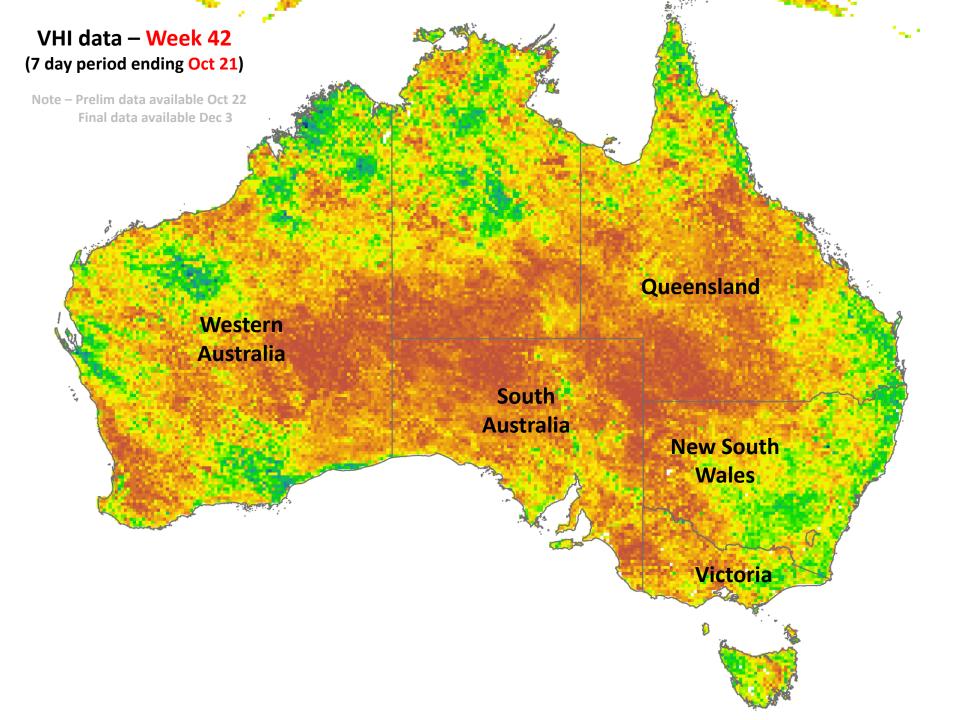
Date

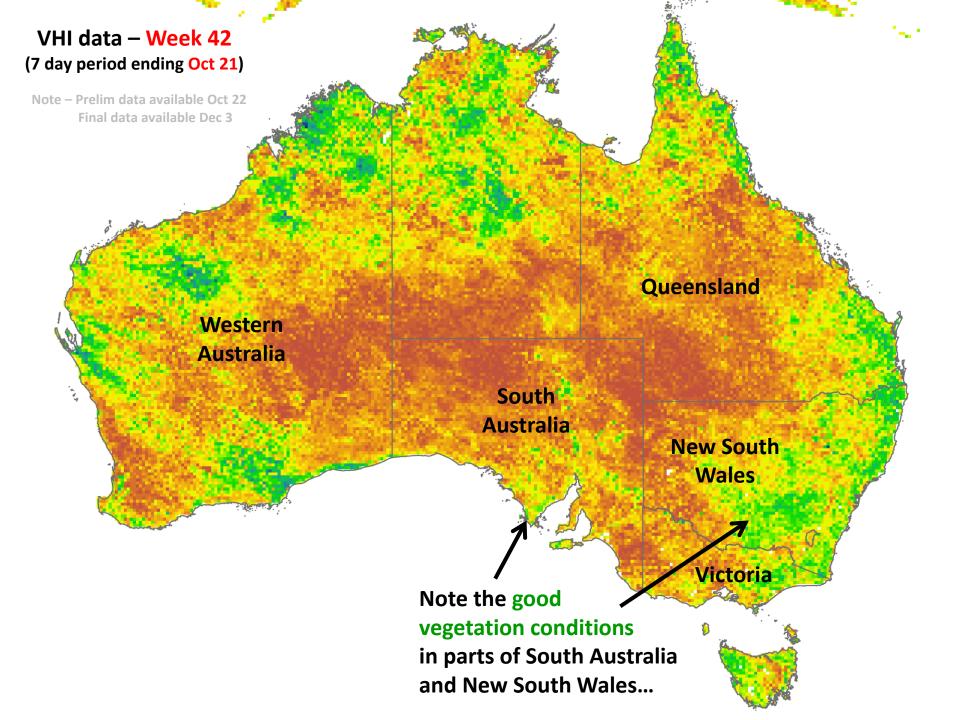


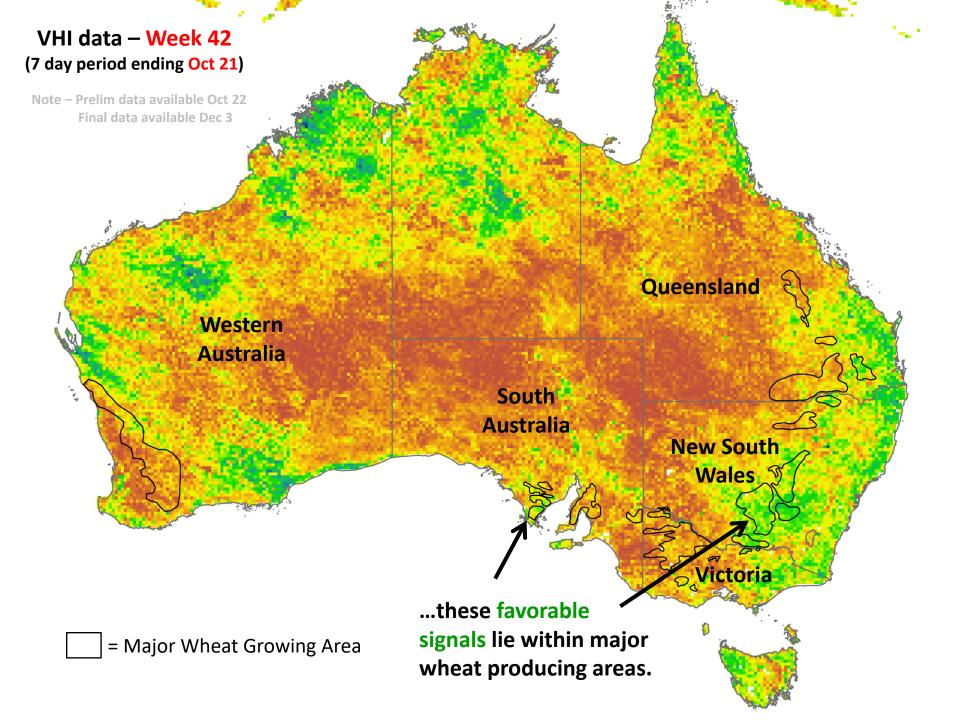
South Australia - Central

Cumulative Precipitation









Yield Estimates – Dec 2015

Winter Wheat

	Estimated area (ha)	VHI yield (t/ha) prod (Mt)
Western Australia	5,150,000	1.71 8.8
South Australia	2,360,000	2.09 4.9
Victoria	1,625,000	1.61 2.6
New South Wales	3,900,000	2.08 8.1
Queensland	750,000	1.69 1.3

National Estimate

13,785,000

1.87 1.74 (ABARES)

25.7

Yield Estimates – Feb 2016 update

Winter Wheat

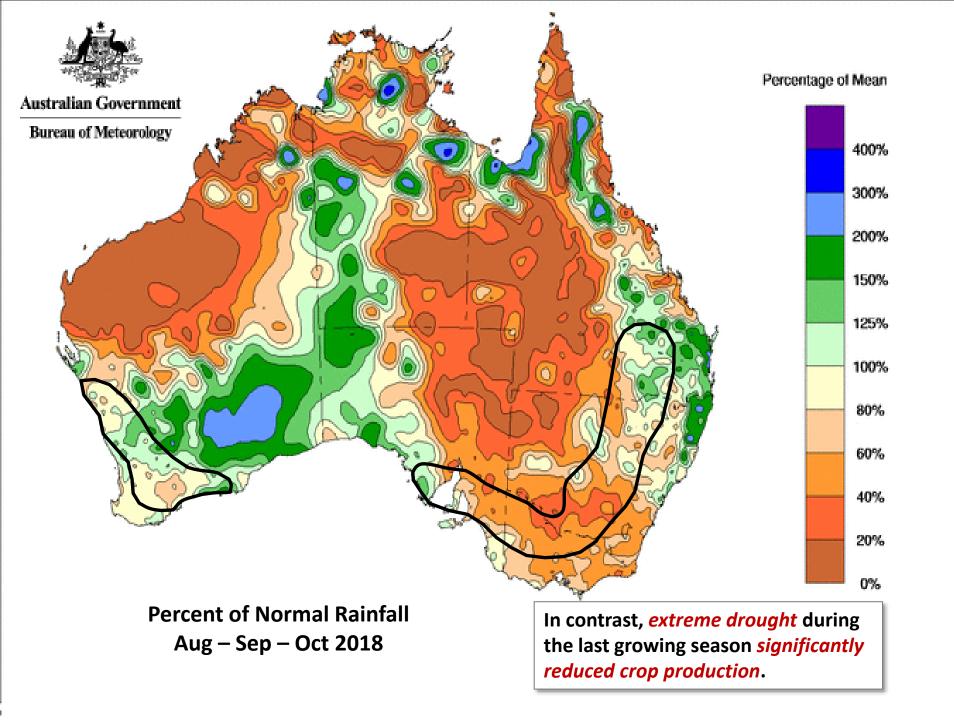
	Estimated area (ha)	VHI yield (t/ha) prod (Mt)
Western Australia	5,150,000	1.71 8.8
South Australia	2,360,000	2.09 4.9
Victoria	1,625,000	1.61 2.6
New South Wales	3,900,000	2.08 8.1
Queensland	750,000	1.69 1.3

National Estimate

13,785,000

1.87 1.90 (ABARES)

25.7



NSW/QLD Border Region

Average Maximum Temperature

