AUSTRALIAN MARKETS WEEKLY



Hefty Eastern drought but limited GDP impact

In this issue

Hefty Eastern drought but limited GDP impact 2
Calendar of economic releases 4
Forecasts 5

more prominent in the East of course and largely absent in the West as far as this year's crop production is concerned, resulting in a far less net negative GDP impact for the current financial year. Note also that agriculture accounts for 2% of GDP.

• This week, we take a closer look at Australia's drought impacts, a drought that's well

Many of the headlines surround the very negative impacts from the drought. It's

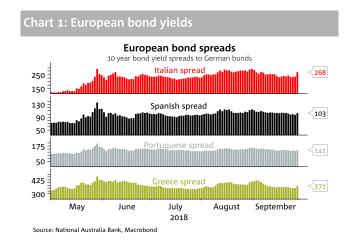
- This week, we take a closer look at Australia's drought impacts, a drought that's well and truly gripped the Eastern seaboard, examined in more detail by NAB's Agribusiness Economist Phin Ziebell in his latest Rural Commodities Wrap. This year's summer crops in the East have been severely affected with Eastern production and exports set to be down sharply as a result. Crops in the West though have had rains at the right time and look promising, though some late winter frosts might still yet affect yields. The very regional and commodity specific story is drawn out by Phin in his latest Agri report in more detail, a report we have summarised in this Weekly.
- If you'd like to see his reports regularly, with forecasts for prices, production and more, please feel free to Ask the Economists or email Phin.Ziebell@nab.com.au.
- Last week ended with the market focussing on Italy, the Government announcing a
 Budget deficit at 2.4% of GDP, above the 1.6% recently proposed by Finance Minister
 Tria. Italian bond yields rose measurably higher on the news, the Milan stock
 exchange declining 3.7% on Friday, while there was some spillover to the Euro and
 European stock markets, especially European bank stocks.
- US markets took this news in stride, more focussed on US events and news, the Fedpreferred measure of US inflation, the core PCE deflator for August remaining on target at 2.0% y/y, as expected adding to the news of a goldilocks economy with solid growth momentum but still contained inflation.
- For local markets, while there is quite a lot of economic data, a fair portion is second tier from a market perspective. Friday's Retail Sales report for August is the most market sensitive. NAB forecasts a flat result for the month, based on the "big data" NAB Retail Sales Index though with is slight upside risk owing to a potential rebound in sales in the non-mining states.
- Tomorrow's RBA Board is expected to keep rates steady again at 1.50% amid signs of
 a still positive high level outlook for the economy and contained inflation. Housing,
 the Eastern drought, and trade/tariff policy remain understandable watch points
 against a still positive outlook for infrastructure, business activity, and the labour
 market.
- Offshore, to the extent that the market is not side-tracked by events in Italy and any Brexit-related news from the UK Tory Party conference, Friday's US payrolls report for September will occupy its usual close market attention. A particular focus will be whether there is any further step up in wage earnings growth.

To contact NAB's market
experts, please click on
one of the following links:

Ask the Economists
Ask the FX Strategists
Ask the Interest

Rate Strategists

Key markets over the past week											
	Last	% chg week		Last	bp / % chg week						
AUD	0.7219	-0.7	RBA cash	1.50	0						
AUD/CNY	4.96	-0.4	3y swap	2.11	-7						
AUD/JPY	82.3	0.4	ASX 200	6,175	-0.2						
AUD/EUR	0.622	0.7	Iron ore	67.7	-1.5						
AUD/NZD	1.091	0.0	WTI oil	73.4	1.8						
Source: Bloom	nberg										



Australian Markets Weekly 1 October 2018

Drought centred in the East

- Agricultural prices and production continues to be very region and commodity specific. While most of New South Wales and parts of Queensland are in severe drought, the wheat belt of Western Australia looks on track for a good season, notwithstanding widespread late frosts. Conditions in Victoria and South Australia are varied, although a dry spring and late frosts will be a challenge and cutting for hay is ramping up.
- Livestock is mixed, with lamb prices receding somewhat from dizzving highs but cattle back above 500c, although this could be brief given the outlook.
- The Bureau of Meteorology remains on El Nino watch - pointing to a 50% chance of El Nino developing in 2018. The three month outlook is generally drier than average.
- The NAB Rural Commodities Index was up 0.7% in August, with grain, lamb and wool prices on the rise, but cattle and dairy lower. Continued drought conditions in the east is likely to see elevated grain prices but lower cattle prices.

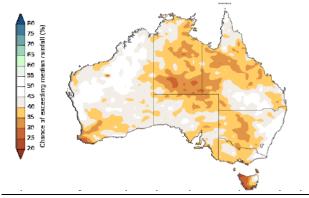
Weather remains under close watch and not a positive outlook

The Bureau of Meteorology's latest three month is crook indeed, with almost the whole country less likely than average to exceed average rainfall, a familiar picture this year. Western Australia is likely to see a dry finish, while east coast crops that could go either way after a dry winter and frost damage won't be helped by the outlook.

Chart 2: Still a dry outlook

THREE MONTH RAINFALL OUTLOOK

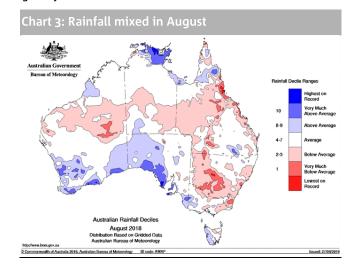
October to December 2018



The Bureau of Meteorology's ENSO outlook remains on El Niño watch, which means there is a roughly 50% chance of El Niño developing in spring this year. While the impacts of El Niño are varied, the phenomenon is generally associated with hotter and drier conditions in eastern and northern Australia.

The outlook follows a dry August in the east, but better conditions in Western Australia and parts of South Australia. More recently, parts of northern New South Wales and southern Queensland enjoyed some good falls, but there has been no follow up and September to date averages are well below average. Furthermore, most of the rain fell in areas where the winter crop had

essentially been written off, suggesting limited upside for arain vields.



Frost activity has been a big concern west and east, and is and will likely see a bigger share of winter cereal crop cut for hav.

Prices up, production mixed

Cotton (lint, kt)

Drought continues to be a major driver of grain and cattle prices. If it stays dry, substantial domestic grain premiums are likely to remain and cattle prices are likely to stay supressed. Good rain from here is probably unlikely, but would see renewed restocker interest and lower grain prices. That said, cattle prices have held up fairly well. Wool and lamb continue to perform. Even if prices retreat somewhat from here, the sheep industry is likely to remain a very strong performer this year.

US-China trade tensions continue to escalate, although it is probably still too early to say for sure what impact – if any – awaits for Australian agriculture.

Chart 4: ABARES production outlook								
	2017-18	2018-19	% change					
Wheat (million tonnes)	21.2	18.1	▼ 15.0%					
Beef (kt)	2,238	2,303	2 .9%					
Dairy (milk, ML)	9,293	9,327	▲ 0.4%					
Lamb and mutton (kt)	735	777	▲ 5.7%					
Wool	422	404	▼ 4.3%					
Sugar (kt)	4,700	5,000	6.4%					

We have again lowered our forecast for Australian wheat production this season (to 18.1 million tonnes), although on a state basis Western Australia should still see above average yields, notwithstanding recent frosts. Conditions in New South Wales and Queensland are very poor and we don't expect much in way of a winter crop from these areas. An emerging issue is whether these areas can expect much sorghum, unless conditions improve.

1.148

580

ABARES' latest forecasts for cotton point to a big drop in 2018-19, reflecting lower irrigation and dam levels. ABARES now also sees wool production declining this year.

¥ 44.5%

Australian Markets Weekly 1 October 2018

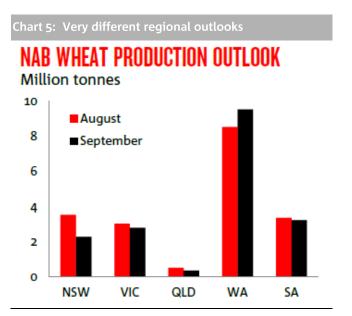
Wheat production revised a little lower

Our headline wheat production forecast is down a little this month (18.1 million tonnes vs. 18.4 million tonnes last month). However, there have been some big moves between states, with our NSW forecast down to 2.3 million tonnes and our WA forecast up to 9.5 million tonnes (although lower than we probably would have placed it two weeks ago). Late frosts have caused considerable drama in the west and east, and a lot of crop is now being cut for hay.

ABARES' latest forecast is for the Australian wheat crop is to reach 19.1 million tonnes in 2018-19.

Global wheat prices have risen more or less consistently over the past year. Recently, supply concerns in Europe and the Black Sea following a hot and dry summer have provided support to prices as the multi-year run of record global crops looks set to end.

Australian (especially east coast) prices are at very high levels and largely detached from global developments. ASX wheat futures reached AUD450/t last week as late frosts cut crop forecasts. With the NSW crop in a parlous state, more WA grain is likely to make its way east via coastal shipping.



Australian Markets Weekly 1 October 2018

CALENDAR OF ECONOMIC RELEASES

Country	Economic Indicator	Period	Forecast	Consensus	Actual	Previous	GMT	AEST
	1 October 2018							
CH AU	'Golden Week' National Day Public Holiday until 7 October NSW Public Holiday; VIC and markets still open							
AU	AiG Perf of Mfg Index	Sep				56.7	21.30	8.30
N	Tankan Large Mfg Index	3Q		22		21	22.50	9.50
νU	CoreLogic House Px MoM	Sep				-0.4	23.00	10.00
N	Nikkei Japan PMI Mfg	Sep F				52.5	23.30	10.30
νU	Melbourne Institute Inflation MoM / YoY	Sep		/		0.1/2.1	0.00	11.00
C	Markit Eurozone Manufacturing PMI	Sep F		53.3		53.3	7.00	18.00
JK	Markit UK PMI Manufacturing SA	Sep		52.5		52.8	7.30	18.30
C	Unemployment Rate	Aug		8.1		8.2	8.00	19.00
JS	Fed's Bostic Speaks on Economic Development						12.02	23.02
A	Markit Canada Manufacturing PMI	Sep				56.8	12.30	23.30
JS	Markit US Manufacturing PMI	Sep F		55.6		55.6	12.45	23.45
iE Is	Retail Sales MoM / YoY	Aug		0.5/1.6		-0.4/0.8	1 Oct to 3 Oct	
IS IS	Construction Spending MoM	Aug		0.4 60		0.1	13.00	0.00
IK	ISM Manufacturing BOE's Tenreyro Chairs Panel in London.	Sep		60		61.3	13.00	0.00
IS	Fed's Kashkari Speaks in Minnetonka, Minnesota						13.50 14.00	1.00
is	Fed's Rosengren Speaks on the U.S. Outlook and Monetary Policy						15.15	2.15
	2 October 2018						1).1)	2.13
IZ	NZIER Business Opinion Survey (QSBO) Confidence	Q3	circa -30			-20	20.00	7.00
U	RBA Cash Rate Target	37530	1.5	1.5		1.5	3.30	14.30
.U	Commodity Index SDR YoY	Sep				6.7	5.30	16.30
IK	Markit/CIPS UK Construction PMI	Sep		52.9		52.9	7.30	18.30
IK	BOE Chief Economist Haldane Chairs Panel in London						7.45	18.45
C	PPI MoM / YoY	Aug		0.2		0.4	8.00	19.00
ΙK	BOE's Haskel Chairs Panel in London						9.35	20.35
IS	Fed's Quarles Testifies to Senate Banking Committee						13.00	0.00
IS	Fed's Chairman Powell Speaks at NABE Conference in Boston						15.00	2.00
	ay, 3 October 2018							
IZ	Dairy Auction GDT-weighted price index		broadly sideways			-1.3	early am	
IZ	QV House Prices YoY	Sep				4.8	15.00	2.00
IZ	ANZ Job Advertisements MoM	Sep				0.6	20.00	7.00
IZ.	ANZ Commodity Price	Sep	-2			-1.1	23.00	10.00
N	Nikkei Japan PMI Services	Sep	24/07	4/25		51.5	23.30	10.30
kU C	Building Approvals MoM / YoY Markit Eurozone Composite PMI	Aug Sep F	3.4/-0.7	1/-2.5 54.2		-5.2/-5.6 54.2	0.30 7.00	11.30 18.00
JK	Markit/CIPS UK Services PMI	Sep		54		54.2	7.30	18.30
iC .	Retail Sales MoM / YoY	Aug		0.2/1.7		-0.2/1.1	8.00	19.00
JS	Fed's Evans Speaks in London	7109		5.2/ 2.7		0.2, 2.2	9.30	20.30
JS	Fed's Barkin Speaks at Economic Conference in West Virginia						11.05	22.05
JS	ADP Employment Change	Sep		185		163	11.15	22.15
JS	ISM Non-Manufacturing Index	Sep		58		58.5	13.00	0.00
JS	Fed's Mester Speaks at Community Banking Conference						17.15	4.15
hursday	, 4 October 2018							
U	Trade Balance	Aug	1350	1450		1551	0.30	11.30
IS	Initial Jobless Claims	29 Sep		213		214	11.30	22.30
IS	Fed's Quarles Speaks at Community Banking Conference						12.15	23.15
IS	Factory Orders	Aug		2.2		-0.8	13.00	0.00
S	Durable Goods Orders / Cap Goods Orders Nondef Ex Air	Aug F		/		4.5/-0.5	13.00	0.00
	October 2018	_						
.U	Retail Sales MoM	Aug	0	0.3		0	0.30	11.30
.U	RBA's Heath gives speech in Canberra at Business Educators Australa			104.3		102.0	0.35	11.35
ık N	Leading Index CI	Aug P		104.2		103.9	4.00	15.00
IK IS	Halifax House Price 3Mths/Year Trade Balance	Sep Aug		3.4		3.7	6.30	17.30 22.30
IS	Change in Nonfarm Payrolls / Unemployment Rate	Sep		-53 185/3.8		-50.1 201/3.9	11.30 11.30	22.30
IS	Average Hourly Earnings MoM / YoY	Sep		0.3/2.8		0.4/2.9	11.30	22.30
:A	Net Change in Employment / Unemployment Rate	Sep		30/5.9		-51.6/6	11.30	22.30
A	Hourly Earnings Permanent Empl YoY	Sep		2.62		2.6	11.30	22.30
ıs	Fed's Bostic Speaks at Financial Literacy Conference						15.40	2.40
	g Central Bank Interest Rate Announcements							
ustralia,	-	2-Oct	1.5%	1.5%		1.5%		
anada, E		24-Oct	1.75%	1.75%		1.5%		
urope, E		25-Oct	-0.4%	-0.4%		-0.4%		
		31-Oct	-0.1%	-0.1%		-0.1%		
apan, Bo		1-Nov	0.75%	0.75%		0.75%		
apan, Bo JK, BOE	ral Reserve	1-Nov 8-Nov	0.75% 2-2.25%	0.75% 2-2.25%		0.75% 2-2.25%		

NAB Markets Research | 4

Australian Markets Weekly 1 October 2018

FORECASTS

Economic Forecasts																				
	Annual % change								Quarterly % change											
						20	17			201	.8			20	19			20	20	
Australia Forecasts	2017	2018	2019	2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Household Consumption	2.7	2.9	2.5	2.5	0.4	0.9	0.6	1.1	0.5	0.7	0.6	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7
Underlying Business Investment	3.3	3.0	5.0	5.8	3.3	0.0	3.8	0.3	0.7	-0.7	1.3	0.1	2.1	1.5	1.8	1.4	1.2	1.7	1.1	1.3
Residential Construction	-2.2	2.7	-5.3	-1.9	-3.3	-0.2	-1.7	0.3	3.6	1.7	-2.6	-0.3	-2.2	-1.9	-0.9	-1.2	-0.3	0.0	0.3	0.6
Underlying Public Spending	4.5	4.6	4.2	4.5	0.9	1.1	1.6	1.1	1.5	0.6	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Exports	3.5	5.0	4.8	2.5	-1.6	2.3	1.0	-1.5	3.0	1.1	1.7	1.0	1.4	1.3	0.7	0.7	0.5	0.6	0.4	0.7
Imports	7.8	5.0	3.6	4.9	3.0	0.2	2.3	1.7	1.7	0.4	0.5	0.7	0.9	1.1	1.3	1.2	1.1	1.3	1.2	1.4
Net Exports (a)	-1.0	-0.1	0.1	-0.6	-1.0	0.4	-0.3	-0.7	0.2	0.1	0.2	0.0	0.1	0.0	-0.2	-0.1	-0.2	-0.2	-0.2	-0.2
Inventories (a)	-0.1	0.1	-0.1	0.0	0.5	-0.9	0.4	0.0	0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Demand - qtr%					0.7	0.8	1.0	0.9	1.0	0.6	0.5	0.6	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.9
Dom Demand - ann %	3.0	3.2	2.6	3.0	2.3	2.6	3.6	3.4	3.7	3.4	3.0	2.6	2.3	2.4	2.7	2.9	2.9	3.0	3.0	3.1
Real GDP - qtr %					0.4	0.7	0.7	0.7	1.1	0.9	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.7	0.6	0.7
Real GDP - ann %	2.2	3.3	2.7	2.5	1.9	1.9	2.7	2.4	3.2	3.4	3.3	3.2	2.7	2.6	2.7	2.7	2.5	2.5	2.3	2.5
CPI headline - qtr %					0.5	0.2	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.4	0.6	0.7	0.6	0.6	0.8	0.9
CPI headline - ann %	1.9	2.0	2.0	2.6	2.1	1.9	1.8	1.9	1.9	2.1	2.0	1.9	1.9	1.9	1.9	2.1	2.2	2.5	2.7	2.9
CPI underlying - qtr %					0.4	0.6	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7
CPI underlying - ann %	1.8	1.9	2.0	2.4	1.7	1.8	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.2	2.3	2.5	2.7
Wages (Pvte WPI - qtr %					0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Wages (Pvte WPI - ann %)	1.8	2.1	2.5	2.7	1.8	1.8	1.9	1.9	1.9	2.0	2.1	2.2	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8
Unemployment Rate (%)	5.6	5.4	5.1	4.9	5.9	5.6	5.4	5.4	5.5	5.5	5.3	5.3	5.2	5.0	5.0	5.0	4.9	4.8	4.8	4.9
Terms of trade	12.2	-0.7	-0.7	0.0	5.2	-5.7	-0.1	-0.1	3.6	-1.3	-1.7	-3.4	-0.8	-1.2	-0.9	0.3	-0.4	0.3	-0.4	0.2
Annual % change (hide)					24.8	14.8	10.2	-1.1												
G&S trade balance, \$Abn	10.0	7.4	-12.7	-27.5	6.8	2.9	1.6	-1.4	3.3	2.8	2.3	-1.1	-1.4	-2.5	-4.2	-4.5	-5.6	-6.1	-7.5	-8.2
% of GDP	0.6	0.4	-0.6	-1.3	1.5	0.7	0.4	-0.3	0.7	0.6	0.5	-0.2	-0.3	-0.5	-0.9	-0.9	-1.1	-1.2	-1.5	-1.6
Current Account (% GDP)	-2.6	-3.0	-4.1	-4.8	-1.6	-2.5	-2.8	-3.6	-2.5	-2.9	-3.0	-3.7	-3.7	-4.0	-4.3	-4.3	-4.6	-4.6	-4.9	-5.0

Source: NAB Group Economics; (a) Contributions to GDP growth											
Exchange Rate Forecasts											
					_	_					
Majors	1-Oct	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19					
AUD/USD	0.7340	0.75	0.75	0.75	0.75	0.75					
NZD/USD	0.7219 0.6620	0.75 0.68	0.75 0.68	0.75 0.69	0.75 0.69	0.75 0.69					
USD/JPY	113.94	110	108	106	104	102					
EUR/USD		1.18	1.22	1.22							
GBP/USD	1.1598				1.25	1.30					
USD/CHF	1.3032 0.9817	1.26 0.96	1.28 0.94	1.30 0.95	1.34 0.94	1.40 0.91					
USD/CAD	1.2857	1.26	1.26	1.25	1.25	1.24					
USD/CNY	6.8688	6.75	6.70	6.65	6.50	6.45					
OSD/CIVI	0.0000	0./5	0.70	0.03	0.50	0.45					
Australian Cross Rates											
AUD/NZD	1.0905	1.10	1.10	1.09	1.09	1.09					
AUD/JPY	82.3	83	81	80	78	77					
AUD/EUR	0.6224	0.64	0.61	0.61	0.60	0.58					
AUD/GBP	0.5539	0.60	0.59	0.58	0.56	0.54					
AUD/CNY	4.9586	5.06	5.03	4.99	4.88	4.84					
AUD/CAD	0.9281	0.95	0.95	0.94	0.94	0.93					
AUD/CHF	0.7087	0.72	0.71	0.71	0.71	0.68					
Interest Rate F	orecas	tc	_								
interest Rate i	Orecas	1.3									
	1-Oct	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19					
Australia Rates											
RBA Cash rate	1.50	1.50	1.50	1.75	1.75	2.00					
3 month bill rate	1.94	1.95	1.95	2.15	2.15	2.40					
3 Year Swap Rate	2.11	2.35	2.50	2.80	3.00	3.20					
10 Year Swap Rate	2.85	3.20	3.30	3.60	3.70	3.80					
Offshore Policy Rates											
US Fed funds	2.25	2.50	2.75	3.00	3.25	3.25					
ECB deposit rate	-0.40	-0.40	-0.40	-0.40	-0.20	0.00					
BoE repo rate	0.75	0.75	0.75	1.00	1.00	1.25					
B - 1											

-0.10

2.00 4.35

16.0

3.50 3.60

-0.10

2.25 4.35

16.0

3.50

3.50

3.70

-0.10

1.75 4.35

16.0

3.30

3.50

3.45

Sources: NAB Global Markets Rese	earch; Bloomberg; ABS

-0.10

1.75

4.35 15.5

2.67 3.06 2.61

-0.10

1.75 4.35

16.0

3.00

3.25 3.10

-0.10

1.75 4.35

16.0

3.05

3.25

3.20

RBNZ OCR

Australia United States

New Zealand

BoJ excess reserves rate

10-year Benchmark Bond Yields

China 1yr lending rate China Reserve Ratio

Global GDP											
							20 Yr				
Dec year	2015	2016	2017	2018	2019	2020	Avge				
Australia	2.5	2.6	2.2	2.9	2.9	2.6	3.4				
US	2.9	1.5	2.3	2.8	2.3	1.7	2.6				
Eurozone	2.1	1.8	2.6	2.1	2.0	1.8	1.5				
UK	2.3	1.9	1.8	1.5	1.7	1.6	2.4				
Japan	1.4	0.9	1.7	0.9	1.0	0.7	0.8				
China	6.9	6.7	6.9	6.5	6.3	6.0	9.2				
India	8.2	7.1	6.7	6.8	7.2	6.9	6.6				
New Zealand	3.5	4.0	2.8	2.9	2.9	2.7	3.0				
World	3.5	3.2	3.8	3.8	3.7	3.5	3.5				
MTP Top 5	4.1	3.7	4.2	3.9	3.7	3.1	5.0				

Commodity prices (\$US)										
_	1-Oct	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19				
Brent oil	82.9	72	70	68	67	68				
Gold	1192	1305	1327	1331	1344	1368				
Iron ore	67.7	60	58	60	62	63				
Hard coking coal	202	150	155	145	140	130				
Thermal coal	114	93	85	80	75	77				
Copper	6261	6825	6875	6950	7050	6900				
Aust LNG (*)	13.9	12.3	11.9	11.6	11.4	11.3				

^(*) Implied Australian LNG export prices.

Australian Markets Weekly 1 October 2018

CONTACT DETAILS

Market Economics

Ivan Colhoun Chief Economist, Markets +61 2 9237 1836 ivan.colhoun@nab.com.au

David de Garis Director, Economics +61 3 8641 3045 david.degaris@nab.com.au

Kaixin Owyong Economist, Markets +61 2 9237 1980 kaixin.owyong@nab.com.au

Markets Research

Peter Jolly Global Head of Research +61 2 9237 1406 peter.jolly@nab.com.au

Group Economics

Alan Oster Chief Economist +61 3 8634 2927 alan_oster@national.com.au

Important Notice

This document has been prepared by National Australia Bank Limited ABN 12 004 044 937 AFSL 230686 ("NAB"). Any advice contained in this document has been prepared without taking into account your objectives, financial situation or needs. Before acting on any advice in this document, NAB recommends that you consider whether the advice is appropriate for your circumstances. NAB recommends that you obtain and consider the relevant Product Disclosure Statement or other disclosure document, before making any decision about a product including whether to acquire or to continue to hold it.

Please click here to view our disclaimer and terms of use.