

LIVESTOCK PRODUCTS

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) MON 21 FEB 2011

KEY FIGURES

TREND ESTIMATES	Dec Qtr 2009 '000	Sep Qtr 2010 '000	Dec Qtr 2010 '000
Number Slaughtered(a)			
Cattle (excl. calves)	1 832	1 890	1 888
Calves	235	195	172
Sheep	1978	1 493	1 496
Lambs	4 868	4 702	4 690
Pigs	1 140	1 163	1 171
Chickens	nya	nya	nya

nya not yet available

(a) A new methodology and revised definitions have been adopted for producing estimates of

livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

	Dec Qtr 2009	Sep Qtr 2010	Dec Qtr 2010
	tonnes	tonnes	tonnes
Meat produced(a)			
Beef	504 227	528 010	531 554
Veal	13 483	11 434	10 166
Mutton	43 131	34 191	34 268
Lamb	102 799	101 110	100 797
Pig meat	82 389	85 528	86 109
Chicken meat	nya	nya	nya
Wool Receivals	87 229	87 355	89 963

nya not yet available

(a) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

	Sep Qtr 2009	Jun Qtr 2010	Sep Qtr 2010
	ML	ML	ML
Whole milk intake by factories	2 244	2 304	2 326

KEY POINTS

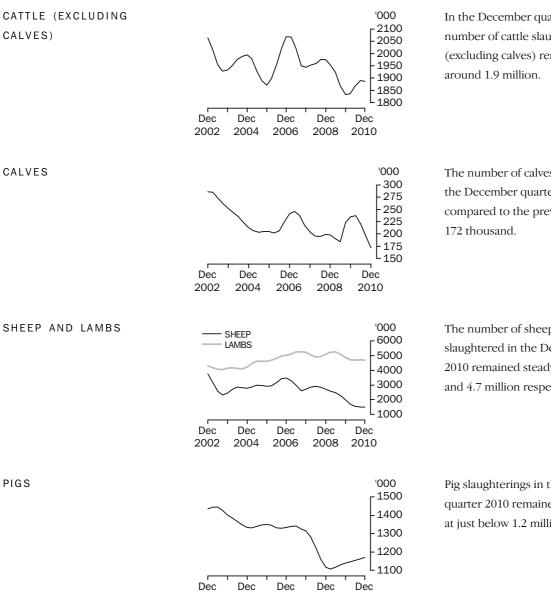
- In the December quarter 2010, calf slaughterings fell 12%.
- Pig meat production increased 1% to 86 thousand tonnes in the December quarter 2010.
- Wool receivals rose 3% in the December 2010 quarter to 90 thousand tonnes.
- The estimate for live sheep exports in the December quarter 2010 rose 2%.

INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

NOTES

FORTHCOMING ISSUES	ISSUE (Quarter)	RELEASE DATE			
	March 2011	26 May 2011			
INTRODUCTION	milk intake by factorie brokers and dealers, e and processed meat. I slaughtering, meat pro information can be ob	ents statistics on livestock slaughterings, meat production, whole es, market milk sales by factories, receivals of taxable wool by exports of live sheep and cattle and exports of fresh, chilled, frozen It also includes seasonally adjusted and trend estimates of oduction, whole milk intake and wool receivals. More detailed btained by contacting the Australian Bureau of Statistics or by hly publication <i>Livestock and Meat, Australia</i>			
CHANGES IN THIS ISSUE	are not yet available. T	ighter and production for poultry for the December quarter 2010 These data, including updated seasonally adjusted and trend tember and December quarters 2010 will be published in the			
	the Poultry and Game	as been undertaken to review the quality of the sampling frame for e Birds Collection. Although the updated Poultry estimates will be oved sampling frame, the frame updates have had a negligible ted time series.			
	definitions have been	review of the Livestock collection, a new methodology and revised adopted for producing estimates of livestock slaughtering and further details refer to the Explanatory Notes.			
CHANGES TO FORTHCOMING ISSUES	Flooding in Queensland began in late December 2010. It is expected that the first significant impact of this and floods in other states will be reflected in the March quarter 2011 issue of this publication.				
	The Livestock and Me affected by the floods	at Survey collections for the December quarter 2010 were not .			
	provided in the March (cat. no. 7215.0).	including details of associated impacts on time series, will be n quarter 2011 issue of <i>Livestock Products, Australia</i>			
ABBREVIATIONS	'000 thousand \$'000 thousand dolla ABS Australian Bur ML megalitre t tonne UHT ultra heat treat	eau of Statistics			
	Trevor Sutton	Statistica			



2010

2002

2004

2006

In the December quarter 2010, the number of cattle slaughtered (excluding calves) remained steady at

The number of calves slaughtered in the December quarter 2010 fell 12% compared to the previous quarter to

The number of sheep and lambs slaughtered in the December quarter 2010 remained steady at 1.5 million and 4.7 million respectively.

Pig slaughterings in the December quarter 2010 remained relatively steady at just below 1.2 million.

MEAT PRODUCTION TREND

BEEF



Dec

2002

Dec

2004

Dec

2006

Dec

2008

Dec

2010

In the December quarter 2010 beef production increased 1% compared to the previous quarter, to 532 thousand tonnes.

Mutton and lamb production remained steady in the December quarter 2010 at 34 thousand and 101 thousand tonnes respectively.

In the December quarter 2010, pig meat production increased 1% compared to the previous quarter, to 86 thousand tonnes.

Total red meat production remained steady in the December quarter 2010, at just below 763 thousand tonnes.

Dec

2010

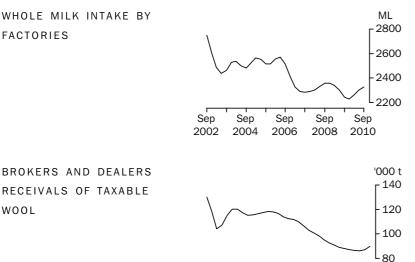
Dec

2008

WHOLE MILK INTAKE BY FACTORIES

RECEIVALS OF TAXABLE

WOOL



Dec

2006

Dec

2002

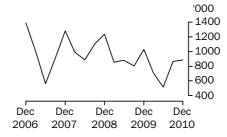
Dec

2004

Whole milk intake by factories in the September quarter 2010 increased by 1% compared to the June quarter 2010 to 2,326 megalitres.

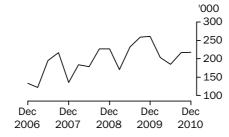
In the December quarter 2010, wool receivals by brokers and dealers increased by 3% compared to the September quarter to 90 thousand tonnes.

EXPORTS OF LIVE SHEEP



Live sheep exports in the December quarter 2010 increased 2% compared to the previous quarter to 885 thousand.

EXPORTS OF LIVE CATTLE



Exports of live cattle in the December quarter 2010 increased 1% compared to the previous quarter to 218 thousand.

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Brokers and dealers receivals of taxable wool, by state
N

	Bulls, bullocks and steers	Cows and heifers	Cattle (excluding calves)	Calves	Sheep	Lambs	Pig
Quarter	'000'	'000'	'000	'000	'000	'000	'000
• • • • • • • • • • •	• • • • • • •			• • • • • • •			• • • • • •
			ORIGIN	IAL			
2009							
September	1 056.4	911.4	1 967.8	377.0	1 833.2	5 025.0	1 146.2
December	981.1	790.6	1 771.7	159.4	2 382.1	5 193.9	1 151.0
2010							
March	908.1	824.1	1 732.2	139.0	1 895.7	4 525.9	1 090.4
June	977.3	1 011.6	1 988.9	227.8	1 222.0	4 733.2	1 173.4
September	1 025.7	886.4	1 912.1	308.3	1 351.9	4 411.2	1 201.3
December	1 021.9	816.7	1 838.6	126.1	1 688.9	4 938.7	1 151.0
		SEAS	SONALLY	ADJUST	ED		
2009							
September	1 023.0	919.6	1 942.7	216.1	2 234.4	5 278.7	1 132.
December	954.8	836.5	1 791.3	227.8	2 063.5	4 878.5	1 148.
2010							
March	945.6	842.6	1 788.2	255.5	1 674.4	4 393.0	1 139.
June	998.3	934.4	1 932.7	223.7	1 373.1	4 962.3	1 142.
September	991.6	890.7	1 882.3	177.9	1 638.7	4 629.6	1 183.
December	996.7	867.6	1 864.3	181.2	1 463.1	4 636.2	1 158.
			TREN	D			
2009							
September	975.1	894.0	1 869.0	223.5	2 281.0	5 082.1	1 130.3
December	969.0	863.5	1 832.4	234.9	1 977.6	4 867.6	1 139.
2010							
March	968.5	868.0	1 836.5	237.3	1 694.8	4 711.2	1 145.
June	977.4	888.9	1 866.3	220.3	1 544.2	4 681.4	1 153.
September	993.9	896.5	1 890.4	194.9	1 493.2	4 701.9	1 163.
December	1 001.3	886.3	1 887.6	171.9	1 496.2	4 689.8	1 170.

(a) Chicken data are not yet available and will be released in the coming weeks.

(b) For human consumption. Refer to the Explanatory Notes for further information.

(c) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

		(-)						Broker an
	RED MEAT	(C)	••••••					dealer
							Whole milk	receival
	Deef	Vaal	Mutton	Lomb	Pig	Total red	intake by	of taxabl
	Beef	Veal	Mutton	Lamb	meat	meat	factories(d)	wool(e
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	ML	tonne
• • • • • • • • • •	• • • • • • • •			ORIGIN	ΔΙ		• • • • • • • • • • •	• • • • • •
				ontant				
2009	F 40 007	40.750	40.070	100 100	02.040	702 420	0.050	00.47
September	540 227	16 758	40 076	102 163	83 912	783 136	2 252	86 17
December	489 129	11 044	54 068	107 978	81 294	743 513	2 849	106 03
2010 Moreh	404 000	44.004	40 700	07 574		700 0 40	0.040	00.00
March	481 093	11 021	40 703	97 571	78 857	709 243	2 048	89 33
June	546 065	13 439	26 927	104 825	87 198	778 455	1 870	71 19
September	529 817	13 884	31 570	93 724	89 599	758 594	2 252	83 17
December	523 983	9 296	39 904	105 745	83 081	762 009	nya	110 25
•••••	• • • • • • • •	• • • • • • •		• • • • • • • •			•••••	• • • • • •
			SEASO	NALLY A	DJUST	-D		
009								
September	534 750	11 569	48 810	109 506	82 088	786 722	2 261	85 08
December	492 264	13 289	44 558	102 082	82 854	735 047	2 186	92 32
2010								
March	493 524	14 891	37 010	97 189	82 499	725 113	2 222	88 43
June	535 123	13 747	31 659	104 353	83 902	768 784	2 403	85 46
September	523 681	9 608	37 487	100 319	87 468	758 563	2 264	83 55
December	528 432	11 197	33 179	99 940	84 655	757 402	nya	94 62
• • • • • • • • • •		• • • • • • •		TREND	• • • • • • •		• • • • • • • • • • •	• • • • • •
2009					,			
September	510 177	10 790	48 843	105 535	81 414	756 759	2 244	88 00
December	504 227	13 483	43 131	102 799	82 389	746 030	2 229	87 22
2010	001221	10 100	10 101	102 100	02 000	110 000	2 220	01 22
March	507 056	14 274	37 708	101 056	83 308	743 401	2 263	86 45
June	517 115	12 976	34 961	100 722	84 471	750 245	2 304	86 20
September	528 010	11 434	34 191	101 110	85 528	760 274	2 326	87 35
December	531 554	10 166	34 268	100 797	86 109	762 894	nya	89 96
December	001 004	10 100	0+200	100 101	00 100	102 004	nya	00 00
• • • • • • • • • •	• • • • • • • • •	• • • • • • •				• • • • • • • • • •	• • • • • • • • • • •	• • • • • •
iya not yet avail	lable			(0	c) Carcas	s weight excludi	ng offal. Refer to th	ne
a) Chicken dat	a are not yet a	available ar	d will be		Explana	atory Notes for f	urther information.	
released in	the coming we	eks.		(0	d) Origina	I data sourced f	rom Dairy Australia	. Includes
b) A new meth	odology and re	evised defir	nitions have	1	whole	milk equivalent o	of farm cream intal	ke.
heen adonte	ed for producir	ng estimate	s of livesto	ck (i	e) Taxable	e receivals only.	Refer to the Explar	naton/ Not

slaughtering and meat production. For further details for further information.

refer to the Explanatory Notes.

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EXPORTS OF FRESH, CHILLED, FROZEN AND PROCESSED MEAT(a)(b), Australia: Original

		LLED OR FROZE								PROCESS	
	Beef bone-in(c)	Beef bone-out(c)	Veal bone-in	Veal bone-out	Mutton bone-in	Mutton bone-out	Lamb bone-in	Lamb bone-out	Pork	Bacon and ham(d)	Canned meat(e)
Period	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
			• • • • • • • •					•••••	• • • • • • • • •	• • • • • • • • •	• • • • • • •
2007–08	57 199	917 494	3 704	5 049	119 496	43 827	134 101	32 499	39 138	772	12 493
2008–09	47 925	954 473	4 102	4 594	107 004	44 119	131 144	31 254	32 258	464	12 852
2009–10	r48 698	r882 958	r4 674	r3 549	r85 060	31 503	r125 199	r34 819	r29 961	167	r13 480
2009											
September	11 958	230 695	1 474	1 260	18 708	6 813	30 939	6 813	7 625	58	3 482
December	12 421	226 420	1 226	1 023	27 768	10 416	38 124	9 455	7 222	57	3 722
2010											
March	10 076	177 693	609	582	23 202	7 183	25 392	7 315	7 155	32	2 961
June	r14 244	r248 149	r1 364	r685	r15 383	r7 091	r30 744	r11 236	r7 959	20	r3 315
September	r15 330	r237 657	r2 547	r503	r15 372	r6 406	r29 552	r8 314	r8 880	r27	r3 545
December	17 100	246 711	1 772	610	24 325	8 932	39 574	8 261	7 424	61	3 360

r revised

(a) Compiled from Australian Customs Service data. Refer to the Explanatory Notes for further information. (d) Cured carcass weight, and state net weight of packs of canned bacon and ham. Refer to the Explanatory Notes for further information.
(e) Canned meat excludes bacon and ham. Refer to the Explanatory Notes for

(b) Export data may be subject to revision.

(c) Includes buffalo meat.

 Canned meat excludes bacon and ham. Refe further information.

EXPORTS OF LIVE SHEEP AND CATTLE(a), Australia: Original

	Number	Gross weight	Gross value	Unit value(b)
Period	'000	'000 tonnes	\$'000	\$
• • • • • • • • • • •			• • • • • • • • •	• • • • • • •
	S	HEEP		
2007–08	4 069.0	197.0	286 442	70.40
2008–09	4 063.9	199.0	339 083	83.44
2009–10	r3 055.3	r145.9	r296 735	r97.12
2009				
September December	801.8 1 030.0	38.7 50.1	76 827 93 851	95.82 91.12
2010				
March June	708.3	33.3	68 408	96.59
September	r515.2 r865.0	23.9 r39.0	r57 649 r104 082	r111.89 r120.33
December	884.5	41.8	92 031	104.05
	C	ATTLE		
2007–08	713.3	241.2	450 511	631.63
2008–09	856.0	285.0	558 695	652.67
2009–10	r906.7	r310.6	r600 128	r661.89
2009				
September	258.5	86.4	161 035	622.84
December	260.7	90.8	172 174	660.37
2010				
March	203.1	69.5	147 857	727.97
June	r184.3	r64.0	r119 063	r646.02
September December	r216.5 218.1	r70.3 68.4	r142 813 172 352	659.64 790.30
Decembel	210.1	00.4	112 002	130.30

r revised

(a) Export data may be subject to revision.

(b) Gross value divided by the number of animals exported

WHOLE MILK INTAKE, by Factories(a): All Series

New South South Western Wales(b) Victoria Queensland Australia(c) Australia Tasmania Australia Quarter ML ML ML ML ML ML ML . ORIGINAL 2009 June 247 1 083 120 145 77 124 1 797 1 480 2 252 September 283 139 147 84 119 December 1 886 177 2 849 294 142 101 249 2010 March 253 1 269 128 142 82 174 2 048 1 870 June 244 1 150 121 140 83 132 September 275 1 479 139 140 95 123 2 252 . SEASONALLY ADJUSTED 2009 June 272 1 488 132 156 83 177 2 308 September 274 1 452 133 154 82 166 2 261 December 262 1 391 131 151 163 2 186 88 2010 March 270 1 421 133 151 90 158 2 222 1 565 133 149 196 2 403 lune 269 91 September 266 1 453 133 147 93 172 2 264 . TREND 2009 271 1 486 132 156 84 174 2 303 June September 273 1 435 132 154 84 166 2 2 4 4 December 273 1 422 132 152 87 163 2 229 2010 March 270 1 451 132 150 89 169 2 263 1 485 133 2 304 June 268 149 91 177 September 267 1 505 133 148 93 182 2 326

(a) Includes whole milk equivalent of farm cream intake. Refer to the Explanatory Notes for further information.

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(b) Includes data for the Australian Capital Territory.(c) Includes data for the Northern Territory.

Source: Original series data from Dairy Australia.

MARKET MILK SALES, by Factories(a): All Series

New South South Western Wales(b) Victoria Queensland Australia(c) Australia Tasmania Australia Quarter ML ML ML ML ML ML ML . ORIGINAL June September December March June September . SEASONALLY ADJUSTED June September December March lune September . TREND June September December March June September

(a) Includes white, flavoured, high and low fat milk and UHT milk. Refer to the Explanatory Notes for further information.

(b) Includes data for the Australian Capital Territory.(c) Includes data for the Northern Territory.

Note: Source: Original series data from Dairy Australia.

	New South			South	Western			receive b
	Wales	Victoria	Queensland	Australia	Australia	Tasmania	Australia	broker
Quarter	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	
• • • • • • • • • •	• • • • • • • • •				• • • • • • • • •	• • • • • • • • • •		
			0	RIGINAL				
2009								
September	32 534	19 880	3 072	12 344	15 585	2 756	86 170	82.
December	31 358	29 135	2 190	17 318	23 032	3 000	106 033	79.
2010								
March	26 688	21 369	1 212	12 572	25 572	1 925	89 339	77.
June	25 497	19 142	2 343	9 206	12 412	2 594	71 195	78.
September	28 546	19 860	2 237	12 494	16 993	3 046	83 176	80
December	34 488	32 287	2 239	16 319	22 156	2 767	110 256	72
• • • • • • • • • •				• • • • • • • • • •	• • • • • • • • •	• • • • • • • • • •	•••••	
			SEASONA	ALLY ADJU	STED			
2009								
September	28 854	22 097	2 547	11 818	17 308	2 461	85 084	
December	29 314	22 734	2 408	15 148	20 128	2 594	92 326	
2010								
March	29 055	21 985	1 809	12 634	20 335	2 612	88 431	
June	28 795	22 508	1 909	11 512	18 126	2 619	85 469	
September	25 567	22 323	1 923	12 067	18 994	2 676	83 551	
December	31 690	25 088	2 360	13 755	19 304	2 427	94 622	
• • • • • • • • • •	• • • • • • • • •			• • • • • • • • • • •	• • • • • • • • •	• • • • • • • • • •	• • • • • • • • •	
				TREND				
2009								
September	28 875	22 424	2 585	12 058	19 564	2 503	88 009	
December	29 201	22 274	2 271	11 648	19 269	2 567	87 229	
2010								
March	28 727	22 183	1 976	11 583	19 366	2 623	86 458	
June	28 102	22 399	1 899	11 983	19 188	2 633	86 204	
	28 293	23 121	2 012	12 484	18 857	2 588	87 355	
September December	29 215							

. . not applicable

(a) Taxable receivals only. Refer to the Explanatory Notes for further information.

EXPLANATORY NOTES

INTRODUCTION	1 This publication presents statistics on livestock slaughterings, meat production, whole milk intake by factories, market milk sales by factories, receivals of taxable wool b brokers and dealers, exports of live sheep and cattle and exports of fresh, chilled, frozer and processed meat.
	2 At the time of publication, final estimates of slaughter and production for poultry for the December quarter 2010 were not yet available. The September 2010 and December 2010 data, including updated seasonally adjusted and trend estimates, will be published in the coming weeks.
	3 Data in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.
	4 Where figures have been rounded, discrepancies may occur between sums of the component items and totals.
	5 Unless otherwise indicated, Australian totals include data for all states/territories.
LIVESTOCK SLAUGHTERINGS AND MEAT PRODUCTION	6 The statistics on slaughterings for red meat production are based on a monthly collection from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms, by country butchers and other small slaughtering establishments.
	 7 Livestock slaughter and meat production estimates published in previous editions of this publication (excluding chickens) included a small, stable component to represent the on-farm slaughter of livestock. Following a quality review of the Livestock Slaughtered collection and consultation with key users of these data, on-farm slaughter has now been removed. Historical data back to July 2007 have been revised for all series.
	8 The quality review has also aligned the Livestock Slaughtered collection's calf and p definitions to current industry standards.
	9 The farm-kill and definitional changes, above, impact on livestock slaughtering and meat production estimates (excluding chickens) published in this and future editions of Livestock Products, Australia. Related estimates published in <i>Livestock and Meat, Australia</i> (cat. no. 7218.0.55.001) are also affected.
	10 As a result of these changes, the livestock slaughter and meat production estimate included in this release cannot be directly compared to those published in previous editions. To assist users in accounting for the associated breaks in time series, historica estimates to June 2007 (excluding farm-kill) and to June 2009 (revised calf definitions) have been re-based. Additional time series data are available via the Downloads tab of this publication on the ABS website http://www.abs.gov.au .
	11 Further information on the new methodology and revised definitions may be obtained by contacting The Environment and Agriculture Business Statistics Centre, Australian Bureau of Statistics, GPO Box 66, Hobart TAS 7001. Alternatively, email <a griculture.statistics@abs.gov.au=""> or phone (03) 6222 5940.
	12 Red meat is shown in carcass weight and excludes offal.
	13 Care should be taken when using this information as the data only relate to slaughterings for human consumption and do not include animals condemned, slaughtered for pet food or those killed for boiling down.
	14 Statistics for poultry slaughterings and chicken meat produced have been compile from quarterly returns supplied by commercial poultry slaughtering establishments and comprise boilers, fryers and roasters. Many small producers are excluded from the collection; however, the statistics represent a high level of coverage.
	15 Chicken meat is shown in dressed weight of whole birds, pieces and giblets.

EXPLANATORY NOTES *continued*

LIVESTOCK SLAUGHTERINGS AND MEAT PRODUCTION continued	16 Details about unpublished slaughterings and meat production statistics can be found in the <i>Livestock Slaughtering Collection</i> brief on the Australian Bureau of Statistics (ABS) website and also are available on request. Inquiries should be made to the <i>National Information and Referral Service</i> on 1300 135 070.
EXPORTS OF FRESH, CHILLED, FROZEN AND PROCESSED MEAT	17 International trade statistics are compiled by the ABS from information submitted to the Australian Customs Service by exporters and importers or their agents. Factors are applied to beef, veal, mutton and lamb bone-out figures to calculate a derived bone-in carcass weight. The derived bone-in carcass weights are then added to bone-in figures to calculate total exports in carcass weight. The factor for beef and veal is 1.5 and for mutton and lamb, 2.0. This information is sourced from the Australian Department of Agriculture, Fisheries and Forestry.
	18 Beef also includes buffalo meat.
	19 Bacon and ham shown is the cured carcass weight of smoked or cooked bacon and ham. It also includes the stated net weight of packs of canned bacon and ham.
	20 Canned meat is shown as the canned weight and excludes canned bacon and ham.
LIVE SHEEP AND CATTLE	21 Sheep and cattle exported for breeding are excluded.
EXPORTS	22 The unit value is obtained by dividing the gross value by the number of animals exported.
	23 The graphs of livestock exports present quarterly original estimates for at least the last five years for the major commodities. These graphs highlight the major movements in the estimates over that period.
MILK	24 Milk data collected by Dairy Australia. Data for the latest quarter are not yet available.
	25 Whole milk intake by factories includes the whole milk equivalent of farm cream intake.
	26 Market sales includes white, flavoured, high and low fat milk and ultra heat treatment (UHT) milk. Interstate transfers of UHT milk have been included in their state of destination. UHT milk is milk that is heated to high temperatures to produce a milk which does not require refrigeration for a sustained period of time when unopened.
WOOL RECEIVALS	27 Wool receivals refers to the amount of taxable wool received by brokers and purchased by dealers from wool producers. It excludes wool received by brokers on which tax has already been paid by other dealers (private buyers) or brokers.
	28 From the September quarter 2010, inclusive, an updated sampling frame was introduced in respect of the Wool Receivals, Purchases and Sales collection. The impact of this change on associated time series is negligible.
	29 Data are based on the state in which wool has been received, and do not necessarily reflect the production of wool in that state.
SEASONAL ADJUSTMENT	30 Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences can be more clearly recognised.
	31 In the seasonal adjustment of the livestock estimates, account has been taken of both normal seasonal factors and 'trading day' effects, where significant. Seasonal adjustment does not remove from the series the effect of irregular influences (e.g. abnormal weather, industrial disputes).
	32 The state component series has been seasonally adjusted independently. Therefore, the adjusted components may not add to the Australian group totals.

EXPLANATORY NOTES *continued*

SEASONAL ADJUSTMENT continued	33 In this publication, the seasonally adjusted estimates are produced by the concurrent seasonal adjustment method which takes account of the latest available original estimates. This method improves the estimation of seasonal factors and, therefore, the seasonally adjusted and trend estimates for the current and previous months. As a result of this improvement, revisions to the seasonally adjusted and trend estimates will be observed for recent periods. A more detailed review is conducted annually prior to the September release, using data up to and including the August release.		
	34 For further information, see <i>Time Series Analysis Frequently Asked Questions, 2003</i> (cat.no. 1346.0.55.002).		
	35 From September 2007, improved methods of producing seasonally adjusted estimates, focused on the application of Autoregressive Integrated Moving Average (ARIMA) modelling techniques, were implemented. The ARIMA modelling technique can be used to extend original estimates beyond the end of a time series.		
	36 For further information on ARIMA modelling, see the feature article ' <i>Use of ARIMA modelling to reduce revisions</i> ' <i>in Australian Economic Indicators, Oct 2004</i> (cat. no 1350.0).		
TREND ESTIMATES	37 The graphs of livestock slaughtered, meat production and livestock products present quarterly trend estimates for at least the last five years for the major commodities. These graphs highlight the major movements in the estimates over that period.		
	38 A trend estimate is obtained by reducing the irregular component in the seasonally adjusted series. For quarterly data, trend estimates are derived by applying a 7-term Henderson moving average to the seasonally adjusted series. Revisions of trend estimates will also occur with revisions to the original data and re-estimation of seasonal factors.		
	39 The state component series has been adjusted independently. Therefore, the adjusted components may not add to the Australian group totals.		
	40 For further information, see <i>Information Paper: A Guide to Interpreting Time Series - Monitoring Trends, 2003</i> (cat. no. 1349.0).		
RELATED PUBLICATIONS	 41 Other ABS publications containing livestock data include: <i>Agricultural Commodities, Australia</i> (cat. no. 7121.0). <i>Agricultural Commodities: Small Area Data, Australia</i> (cat. no 7125.0). <i>Livestock and Meat, Australia</i> (cat. no. 7218.0.55.001). Value of Agricultural Commodities Produced, Australia (cat. no. 7503.0). 		
	42 Current publications and other products released by the ABS are listed under the Statistics and Topics @ a Glance pages on the ABS website <http: www.abs.gov.au="">. The ABS also issues a daily Release Advice on the website which details products to be released in the week ahead.</http:>		
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