

# PULP AND PAPER STATISTICS

## Fourth quarter and total 2008

## General Comments

### Market Pulp

The total production of market pulp was 4.1 million tonnes, a slight decrease compared to 2007. The production of Mechanical pulp decreased by 19 percent due to mill closures during the year, while production of Chemical pulp increased by 3 percent, and reached 3.6 million tonnes for 2008. During the year tonnages have been moved from integrated to market pulp due to mill closures.

Exports of total pulp were 3.4 million tonnes a decrease of 3 percent compared to last year.

The Chemical pulp deliveries remain at the same level as 2007, i.e. 3.5 million tonnes. Domestic deliveries were 536 000 tonnes, and it rose by 10 percent due to the above mentioned change from integrated to market pulp. Exports of chemical pulp fell by 2 percent and amounted 3 million tonnes. Exports to EU decline by 3 percent to 2.4 million tonnes, deliveries to the main markets France and Italy fell by 12 and 17 percent respectively while exports to Germany remained unchanged compared to last year. Exports to Other Europe and Asia rose by 15 and 2 percent respectively. At the end of December, producers' inventories of chemical pulp were 415 000 tonnes, a growth compared to inventories at the end of September.

### Pulp and Paper

Production of paper and board reached 11.7 million tonnes, a decrease by 2 percent compared to last year's figures. Mill closures during the last year have influenced production and delivery figures. Production of newsprint, folding boxboard and tissue were paper grades that showed a growth in production while the other paper grades declined. Both production and total deliveries fell by 8 percent respectively during the last quarter.

Exports of paper and board for 2008 fell by 2 percent to 10.1 million tonnes.

Exports of newsprint and tissue rose by 3 and 1 percent respectively, while exports of other main grades declined.

Deliveries to the domestic market fell by 3 percent to 1.3 million tonnes.

Exports to EU decreased by 2 percent to 7.5 million tonnes for 2008, exports to the main markets Germany, United Kingdom and France fell by 2, 6 and 4 percent respectively.

Deliveries to eastern and central Europe rose and were at the year end 852 000 tonnes, and exports to Asia fell by 2 percent and amounted 1.2 million tonnes.

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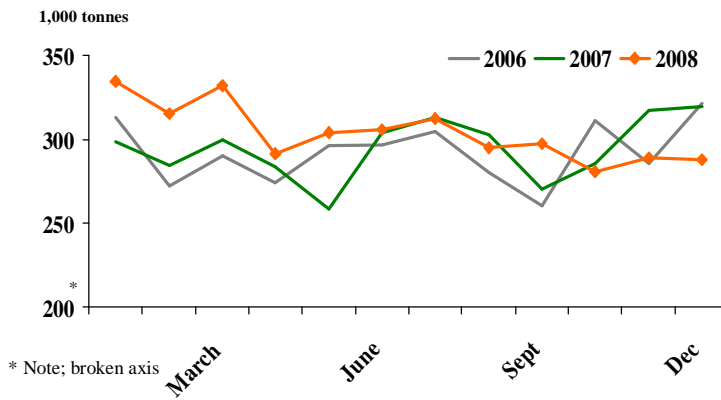
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## Market pulp

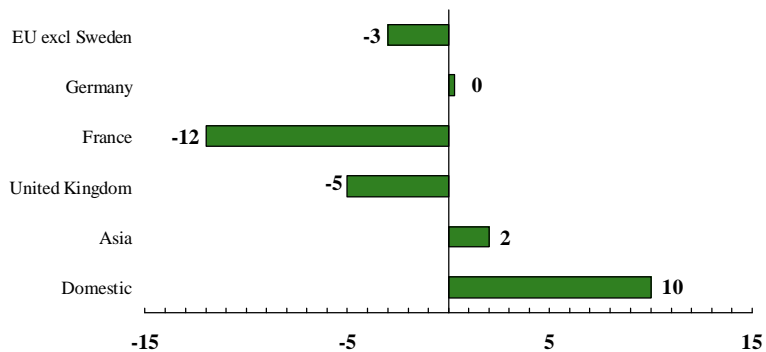
December 2008

<b>PRODUCTION</b> 1000 tonnes	<b>Q4</b> <b>2008</b>	<b>Q4</b> 2007	<b>Change</b> %	<b>Acc</b> <b>2008</b>	<b>Acc</b> 2007	<b>Change</b> %
<b>TOTAL</b>	<b>939</b>	1 060	-11.4	<b>4 100</b>	4 108	-0.2
of which						
Mechanical pulp	<b>82</b>	138	-41.1	<b>455</b>	558	-18.6
Chemical pulp	<b>857</b>	922	-7.1	<b>3 645</b>	3 550	2.7
<b>EXPORTS</b> 1000 tonnes	<b>Q4</b> <b>2008</b>	<b>Q4</b> <b>2007</b>	<b>Change</b> %	<b>Acc</b> <b>2008</b>	<b>Acc</b> <b>2007</b>	<b>Change</b> %
<b>TOTAL</b>	<b>775</b>	853	-9.1	<b>3 381</b>	3 484	-3.0
of which						
Mechanical pulp	<b>66</b>	107	-38.3	<b>370</b>	424	-12.7
Chemical pulp	<b>709</b>	745	-4.9	<b>3 011</b>	3 059	-1.6
<b>DELIVERIES OF CHEMICAL PULP</b> 1000 tonnes	<b>Q4</b> <b>2008</b>	<b>Q4</b> 2007	<b>Change</b> %	<b>Acc</b> <b>2008</b>	<b>Acc</b> 2007	<b>Change</b> %
EU excl. Nordic countries	<b>529</b>	596	-11.2	<b>2 319</b>	2 408	-3.7
of which						
Germany	<b>206</b>	233	-11.5	<b>947</b>	944	0.3
France	<b>60</b>	69	-13.6	<b>257</b>	293	-12.3
Italy	<b>59</b>	73	-18.9	<b>237</b>	285	-16.8
United Kingdom	<b>34</b>	42	-20.1	<b>172</b>	181	-5.0
Finland+Norway	<b>20</b>	17	18.7	<b>84</b>	76	10.5
Other Europe	<b>41</b>	36	13.9	<b>157</b>	137	14.6
Asia	<b>100</b>	80	24.6	<b>381</b>	373	2.1
of which						
China	<b>53</b>	53	0.0	<b>105</b>	92	14.1
Thailand	<b>22</b>	28	-21.4	<b>55</b>	64	-14.1
Indonesia	<b>50</b>	36	38.6	<b>69</b>	56	23.2
Japan	<b>-3</b>	-2	68.8	<b>28</b>	27	3.7
Indien	<b>-2 260</b>	-2 271	-0.5	<b>42</b>	43	-2.3
North America	<b>7</b>	6	15.0	<b>26</b>	26	0.0
Other countries	<b>13</b>	10	26.2	<b>44</b>	39	12.8
<b>TOTAL EXPORTS</b>	<b>709</b>	745	-4.8	<b>3 011</b>	3 059	-1.6
Domestic	<b>135</b>	112	20.5	<b>536</b>	487	10.1
<b>TOTAL DELIVERIES</b>	<b>844</b>	857	-1.5	<b>3 547</b>	3 546	0.0

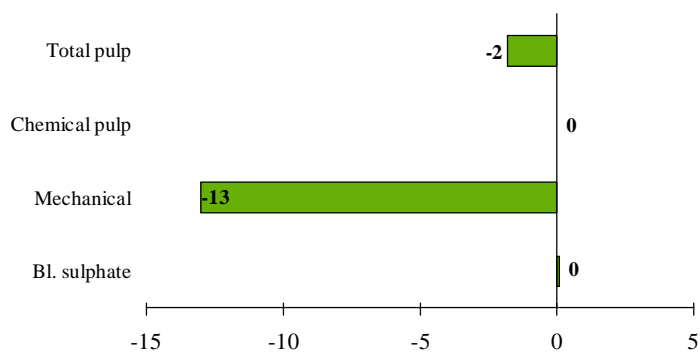
### Production of chemical pulp 2006-2008



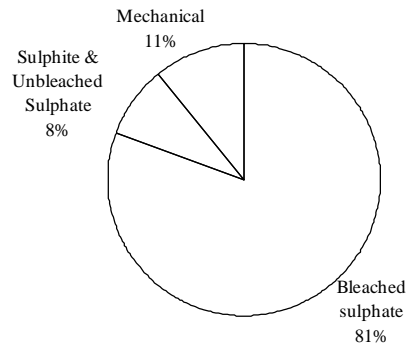
### Chemical pulp deliveries by destination change in percent 08/07



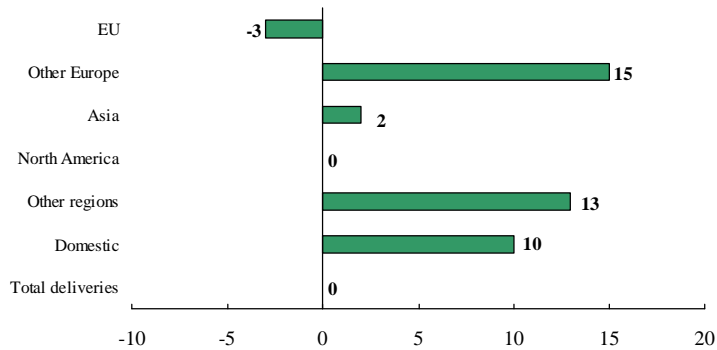
### Pulp deliveries by grade change in percent 08/07



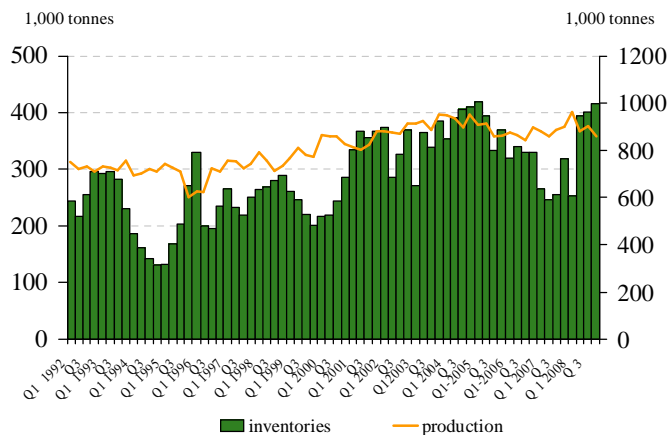
### Exports of pulp January - December 2008



### Chemical pulp deliveries by region change in percent 08/07



### Inventories and production of chemical pulp end of quarter 1992-2008



**Paper and Board**

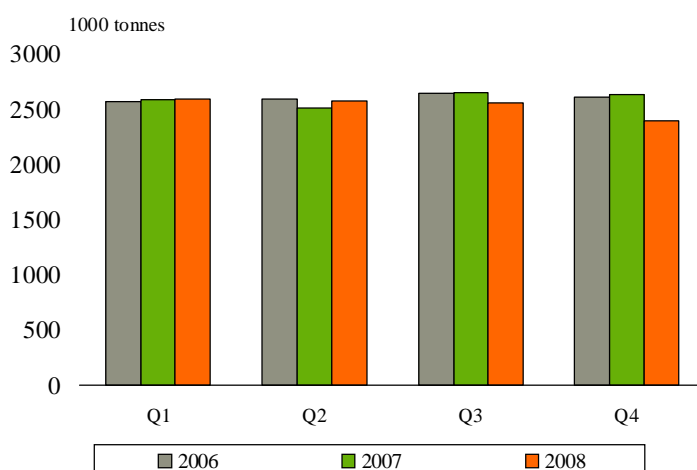
December 2008

<b>Production</b>	<b>2008</b>	2007 Change in		<b>2008</b>	2007 Change in	
1,000 tonnes	Q4	Q4	%	Acc	Acc	%
Newsprint	644	639	0.8	2 560	2 547	0.5
Woodfree printing & writing	305	374	-18.5	1 383	1 546	-10.5
Woodcontaining printing & writing	463	470	-1.6	1 881	1 788	5.2
Tissue	84	80	5.3	330	319	3.5
Wrapping papers	175	265	-34.0	911	1 018	-10.5
Kraft paper	169	256	-33.7	885	983	-10.0
Folding boxboards	541	590	-8.2	2 469	2 464	0.2
Case materials	487	532	-8.5	2 008	2 058	-2.4
Kraft liner	378	399	-5.1	1 505	1 536	-2.0
Others	27	29	-6.3	121	120	0.9
<b>Total paper and board</b>	<b>2 726</b>	<b>2 980</b>	<b>-8.5</b>	<b>11 662</b>	<b>11 860</b>	<b>-1.7</b>
<b>Total deliveries</b>	<b>2008</b>	2007 Change in		<b>2008</b>	2007 Change in	
1,000 tonnes	Q4	Q4	%	Acc	Acc	%
Newsprint	713	691	3.1	2 590	2 520	2.8
Woodfree printing & writing	326	358	-8.8	1 411	1 486	-5.0
Woodcontaining printing & writing	463	483	-4.0	1 814	1 851	-2.0
Tissue	77	80	-3.7	310	310	0.2
Wrapping papers	177	263	-32.8	916	1 005	-8.8
Kraft paper	169	251	-32.8	883	963	-8.3
Folding boxboards	532	597	-10.9	2 350	2 435	-3.5
Case materials	432	490	-12.0	1 987	2 063	-3.7
Kraft liner	323	359	-10.1	1 481	1 524	-2.8
Others	24	28	-13.9	116	114	2.0
<b>Total paper and board</b>	<b>2 743</b>	<b>2 989</b>	<b>-8.2</b>	<b>11 495</b>	<b>11 782</b>	<b>-2.4</b>
<b>Exports</b>	<b>2008</b>	2007 Change in		<b>2008</b>	2007 Change in	
1,000 tonnes	Q4	Q4	%	Acc	Acc	%
Newsprint	585	565	3.5	2 132	2 064	3.2
Woodfree printing & writing	282	309	-8.8	1 239	1 312	-5.5
Woodcontaining printing & writing	439	456	-3.6	1 716	1 752	-2.0
Tissue	44	44	1.6	173	171	1.2
Wrapping papers	162	250	-35.1	859	946	-9.1
Kraft paper	155	239	-35.2	828	906	-8.6
Folding boxboards	480	543	-11.5	2 142	2 199	-2.6
Case materials	384	441	-12.9	1 779	1 849	-3.8
Kraft liner	300	333	-9.8	1 381	1 427	-3.2
Others	23	26	-10.9	109	105	3.7
<b>Total paper and board</b>	<b>2 400</b>	<b>2 634</b>	<b>-8.9</b>	<b>10 149</b>	<b>10 398</b>	<b>-2.4</b>
<b>Domestic deliveries</b>	<b>2008</b>	2007 Change in		<b>2008</b>	2007 Change in	
1,000 tonnes	Q4	Q4	%	Acc	Acc	%
Newsprint	128	126	1.2	459	455	0.7
Woodfree printing & writing	44	48	-8.7	172	174	-1.3
Woodcontaining printing & writing	24	27	-9.8	98	99	-0.7
Tissue	32	36	-10.2	137	139	-1.1
Wrapping papers	15	13	11.9	57	59	-3.9
Kraft paper	14	13	13.6	55	57	-4.1
Folding boxboards	52	54	-4.2	208	235	-11.7
Case materials	47	49	-3.3	208	214	-3.0
Kraft liner	22	26	-13.0	101	97	3.8
Others	1	2	-46.2	7	9	-18.4
<b>Total paper and board</b>	<b>343</b>	<b>355</b>	<b>-3.5</b>	<b>1 346</b>	<b>1 385</b>	<b>-2.8</b>

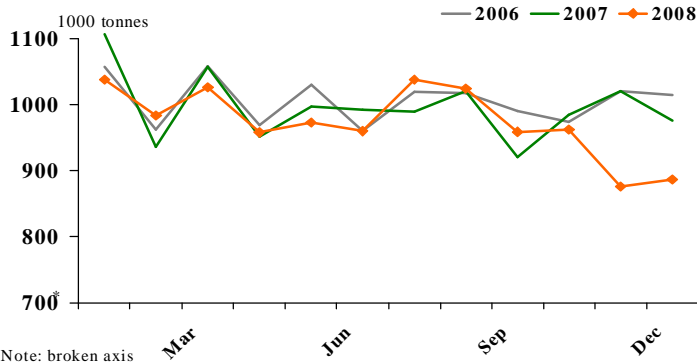
**Paper and Board**

December 2008

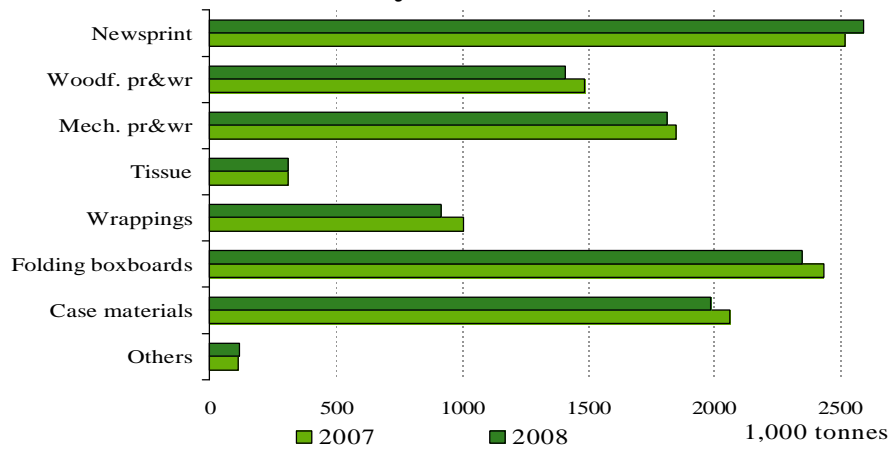
Deliveries by destination 1,000 tonnes	2008	2007 Change in		2008	2007 Change in	
	Q4	Q4	%	Acc	Acc	%
EU, excl. Sweden	1 841	1 928	-4.5	7 461	7 587	-1.7
Germany	501	520	-3.8	2 012	2 058	-2.2
United Kingdom	328	374	-12.3	1 363	1 451	-6.1
Italy	152	158	-3.6	624	653	-4.4
France	121	118	3.0	502	500	0.3
Denmark	114	132	-13.2	479	483	-0.8
Other Europe	186	210	-11.5	852	829	2.8
North America	27	52	-47.8	118	203	-42.1
Latin America	29	40	-28.7	140	165	-15.0
Asia	239	299	-20.2	1 186	1 214	-2.2
China	26	47	-45.6	189	193	-1.8
Israel	29	22	34.5	107	88	21.5
Taiwan	10	16	-33.6	58	76	-24.0
Oceania	24	18	34.1	97	88	9.9
Africa	55	87	-36.3	295	311	-5.3
<b>Total exports</b>	<b>2 400</b>	<b>2 634</b>	<b>-8.9</b>	<b>10 149</b>	<b>10 398</b>	<b>-2.4</b>
Domestic	343	355	-3.5	1 346	1 385	-2.8
<b>Total Deliveries</b>	<b>2 743</b>	<b>2 989</b>	<b>-8.2</b>	<b>11 495</b>	<b>11 782</b>	<b>-2.4</b>

**Exports of Paper and Board**


### Paper and Board production 2006-2008



### Paper deliveries by grade January – December



### Deliveries by destination - change in percent 08/07

