

FLAT GLASS CAPACITY ADDITIONS

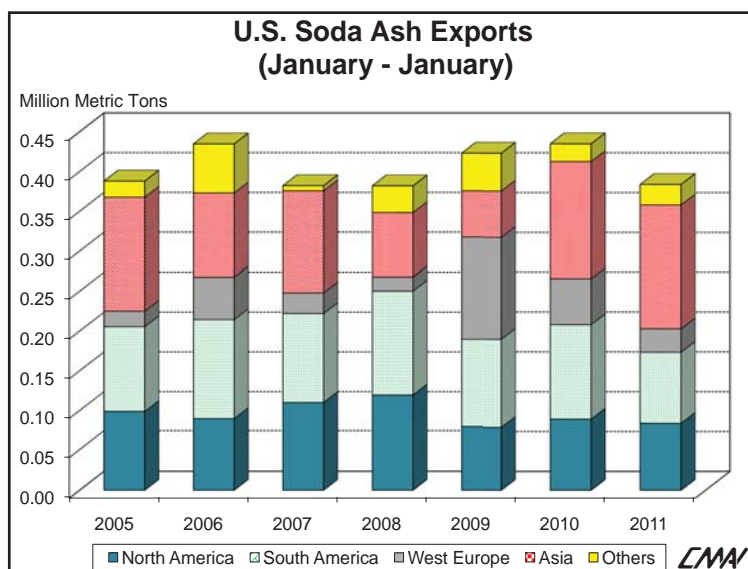
COMPANY	LOCATION	CAPACITY Thousand Metric Tons	TIMING
EUROPE			
Guardian	Rostov, Russia	330	2 hf 11
Saint Gobain	Dabrowa Gornicza, Poland	150	2011
Trakya Cam (Sisecam)	Targovishte, Bulgaria	225	2012
Saint Gobain/Sisecam	Tartarstan, Russia	250	2 hf 12
Hostomel Auto Logistics	Chernigov, UKR	220	2013
ZAO Promtechinvest	Terengulsky, Russia	255	tbc
Vostek Glass Plant	Tverskaya, Russia	180	tbc
North West Glass Compnay.	Kirishy, Russia	146	tbc
Baltic Glass Company	Leningradskaya, Russia	220	tbc
Baltic Glass Company	Leningradskaya, Russia		220kt/y plan
Total Europe		1976	
AFRICA/MIDDLE EAST			
Obeikan Glass	Yanbu, Saudi Arabia	290	Jan 11
Botswana Dev. Corp. (BDC)	Palapye, Botswana	150	end 11/12
Jingniu Group	Kadoma, Zimbabwe	475	2012
EFG	Abu Dhabi, UAE	220	2013
Cevital	Bejaia, Algeria	220	2013
Cevital	Bejaia, Algeria		220kt/y plan
Total Africa/Middle East		1355	
REST OF WORLD			
KCC Corporation	Yeoju, Korea (delayed from Q1 11)	100	July 11
Saint Gobain	Bogota, Colombia; (delayed from 09)	230	2012
Cebrace	Jacarei, Brazil	330	Q4 11
Ghani Glass	Sheikhupura, Pakistan; (delayed from 09)	180	Q4 11
Saint Gobain	Rajasthan, India	300	2012
Sun Bear Solar	Kota Kinabalu, Sabah, Malaysia	200	2012
Tariq Glass	Sheikhupura, Pakistan	200	Jan '12
Cornelio Brennand Group	Goias, Brazil	260	mid 2012
Cebrace	Salvador, Brazil	220	2013
Sezal Float Glass	Bharuch, Guj., India	265	2013
HNG Float Glass	Halol, Guj., India	365	2013/14
Gold Plus	India		plan
Total Rest of World		2650	

CONTAINER GLASS CAPACITY ADDITIONS

COMPANY	LOCATION	CAPACITY Thousand Metric Tons	TIMING
EUROPE			
O-I	Alloa, Scotland; Furnace rebuild plus small expansion		2011
Glass Container Prim	Moldova	70	2012, plan
Krasnodor Glass Pack. Plant	Krasnodar, Russia	140	2012, plan
Sisecam	Bunardzik, Macedonia		plan
Total Europe		210	
AFRICA/MIDDLE EAST			
Saleh & Abdulaziz	Jeddah, Saudi Arabia (No. 5)	44	Jan '11
Consol Ltd	Johannesburg, South Africa	110	Sep 11
Nampeq	Wadeville, South Africa	25	end 11
Kama Glass	Cairo, Egypt	106	2011
United Glass Containers	Ramadan City, Egypt	109	2011
Consol Ltd	Belleville, S.Africa	30	end 11/12
United Glass Containers	Ramadan City, Egypt	92	2 hf 2012
Ciner	Eskisehir, Turkey	290	2012/13
Arab Pharma.	Suez, Egypt	44	2013
Consol Ltd	Johannesburg, South Africa	110	Sep 2013
Saleh & Abdulaziz	Jeddah, Saudi Arabia (No. 6)	44	plan
Vidreira SARL	Matola, Mozambique		50kt/y plan
Consol Ltd	Johannesburg, South Africa		100kt/y plan
Total Africa/Middle East		1004	
REST OF WORLD			
Malaya Glass	Ho Chi Minh, Vietnam	28	April '11
HNG	Nashik, India	237	Sep '11
HNG	Andhra Pradesh, India	237	April '12
Piramal Glass	Jambusar, India	58	Q4 2012
Total Rest of World		560	

U.S. SODA ASH TRADE
YTD January 2010/2011
-000- Metric Tons

		2010		Net	2011		Net	YOY
		Exports	Imports	Exports	Exports	Imports	Exports	Change
<i>N.America</i>	Canada	21	-	21	21	-	21	0
	Mexico	68	-	68	63	-	63	-5
<i>W.Europe</i>	Belgium	18	-	18	18	-	18	-
	France	-	-	-	-	-	-	-
	Germany	-	-	-	-	-	-	-
	Italy	-	-	-	-	-	-	-
	Netherlands	28	-	28	8	-	8	19
	Spain	12	-	12	-	-	-	12
	UK	-	-	-	3	-	3	3
	Others	-	-	-	-	-	-	-
<i>Asia / Pacific</i>	Indonesia	47	-	47	28	-	28	-19
	South Korea	27	-	27	16	-	16	-11
	Philippines	9	-	9	11	-	11	1
	Taiwan	23	-	23	22	-	22	-1
	Thailand	17	-	17	17	-	17	0
	Vietnam	8	-	8	-	-	-	-8
	Malaysia	8	-	8	-	-	-	-8
	China	-	-	-	-	-	-	0
	Japan	4	-	4	34	-	34	30
	Australia/New Zealand	6	-	6	29	-	29	23
	Others	-	-	-	-	-	-	0
	<i>South America</i>	Brazil	72	-	72	33	-	33
Argentina		-	-	-	-	-	-	0
Chile		8	-	8	34	-	34	27
Colombia		13	-	13	6	-	6	-6
Venezuela		24	-	24	-	-	-	-24
Others		2	-	2	16	-	16	14
<i>Africa</i>	S.Africa	6	-	6	26	-	26	20
	Others	16	-	16	-	-	-	-16
<i>Middle East</i>	Saudi Arabia	-	-	-	-	-	-	0
	Others	-	-	-	-	-	-	0
<i>Others</i>		-	-	-	-	-	-	0
TOTAL		435	1	434	384	-	383	(51)

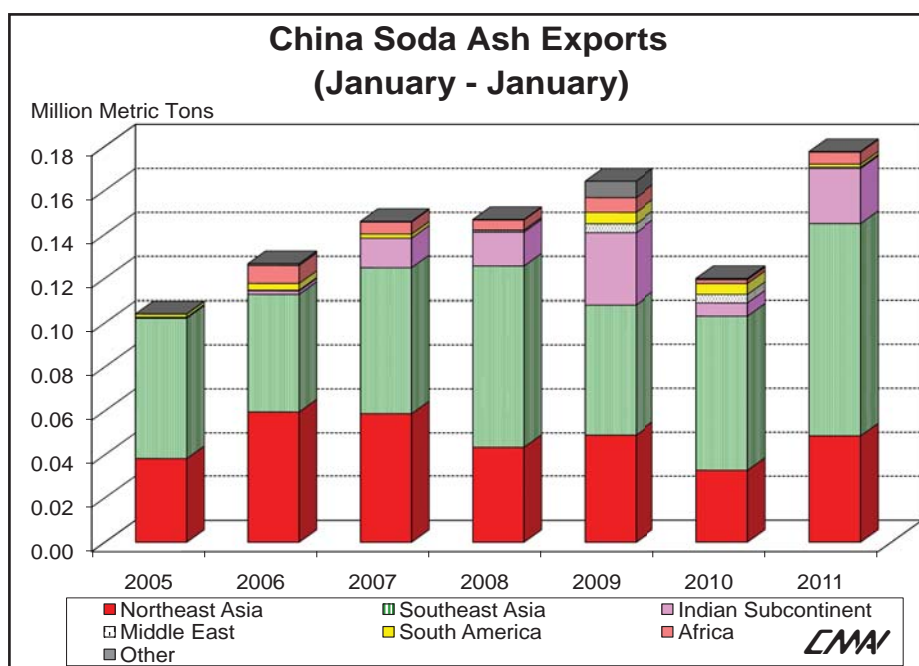


CHINA SODA ASH TRADE

YTD January 2010/2011

Thousand Metric Tons

	2010		Net	2011		Net	YOY
	Exports	Imports	Exports	Exports	Imports	Exports	Change
W.Europe/Cen. Europe/ FSU	0	-	0	0	-	0	0
Asia / Pacific							
Bangladesh	3	-	3	22	-	22	19
India	2	-	2	2	-	2	0
Indonesia	4	-	4	34	-	34	30
South Korea	26	-	26	32	-	32	6
Philippines	11	-	11	10	-	10	-1
Taiwan	3	-	3	2	-	2	-1
Thailand	24	-	24	26	-	26	2
Vietnam	26	-	26	20	-	20	-6
Malaysia	1	-	1	5	-	5	4
Japan	3	-	3	11	-	11	8
Others	4	-	4	5	-	5	1
South America							
Brazil	-	-	-	0	-	0	0
Others	5	-	5	1	-	1	-3
Africa	2	1	1	5	-	5	5
Middle East							
Iran	-	-	-	-	-	-	-
Others	4	-	4	1	-	1	-3
United States	-	-	-	-	-	-	-
Others	0	-	-	0	-	0	0
TOTAL	120	1	119	178	0	178	59

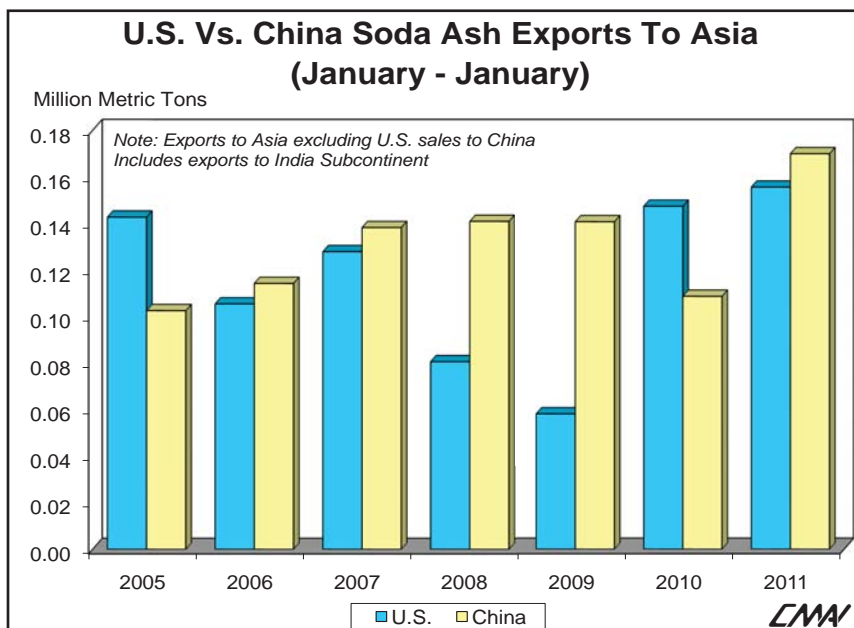


US & CHINA SODA ASH EXPORTS TO ASIA

YTD January 10/11

Thousand Metric Tons

Destination	Source	2005	2006	2007	2008	2009	2010	2011	10-11 Change
Indonesia	U.S.	61	40	55	53	10	47	28	-19
	China	27	29	27	25	29	4	34	30
	U.S. + China	88	69	82	78	38	51	62	11
Japan	U.S.	10	4	17	-	6	4	34	30
	China	6	10	9	13	7	3	11	8
	U.S. + China	16	15	26	13	13	6	44	38
South Korea	U.S.	13	-	9	-	16	27	16	-11
	China	30	31	43	25	37	26	32	6
	U.S. + China	43	31	52	25	53	53	49	-5
Malaysia	U.S.	11	-	15	-	-	8	-	-8
	China	5	2	2	6	4	1	5	4
	U.S. + China	16	2	17	6	4	9	5	-4
Philippines	U.S.	-	-	-	-	5	9	11	1
	China	5	2	8	17	-	11	10	-1
	U.S. + China	5	2	8	17	5	20	21	0
Taiwan	U.S.	19	22	21	-	15	23	22	-1
	China	2	16	4	2	2	3	2	-1
	U.S. + China	21	39	25	2	17	26	24	-2
Thailand	U.S.	16	21	10	13	-	17	17	0
	China	9	4	15	20	22	24	26	2
	U.S. + China	25	26	25	33	22	41	43	2
Other Asia	U.S.	13	17	-	14	7	14	29	15
	China	19	20	30	32	39	35	49	14
	U.S. + China	32	37	30	46	46	49	78	29
Total	U.S.	143	105	128	81	58	147	156	8
	China	103	114	138	141	141	109	170	61
	U.S. + China	245	220	266	222	199	256	325	70



CENTRAL EUROPE/CIS SODA ASH TRADE

All data shown in Thousand Metric Tons

Note: Imports to Poland and Romania are not significant

Poland Exports			
Destination	Dec-10	YTD 10	YTD 09
Austria	0.4	6.5	32.8
Czech Republic	13.2	126.9	121.3
Finland	4.6	43.8	37.2
Germany	2.7	29.4	38.6
Italy	0.0	2.3	3.7
Norway	3.7	28.5	24.4
Slovakia	1.6	12.0	14.4
Sweden	6.7	57.9	42.5
United Kingdom	0.2	2.2	5.4
Estonia	1.2	12.0	7.5
All Others	2.8	39.9	21.8
Total	37.0	361.4	349.6

Calculated export value 210 US\$/metric ton (F.O.B. Source)

Romania Exports			
Destination	Dec-10	YTD 10	YTD 09
Algeria	0.0	17.8	22.1
Austria	0.0	0.9	14.5
Czech Republic	0.7	6.3	3.4
Egypt	0.0	3.4	46.1
Hungary	2.4	33.2	50.6
India	2.4	36.0	48.7
Italy	0.5	4.9	5.5
Nigeria	3.8	17.2	13.3
Syria	2.2	9.3	10.9
Turkey	1.4	15.1	23.3
All Others	9.7	102.0	63.6
Total	23.1	246.2	302.1

Calculated export value 190 US\$/metric ton (F.O.B. Source)

Russia Imports			
Origin	Jan-11	YTD 11	YTD 10
Belgium	0.0	0.0	0.0
Bulgaria	3.6	3.6	2.5
Germany	0.0	0.0	0.0
Poland	0.0	0.0	0.0
Ukraine	10.6	10.6	5.9
United Kingdom	0.0	0.0	0.0
United States	7.0	7.0	4.9
All Others	2.7	2.7	2.4
Total	23.8	23.8	15.8

Calculated import value 220 US\$/metric ton (C.I.F.)

Russia Exports			
Destination	Jan-11	YTD 11	YTD 10
British Virgin Islands	1.2	1.2	0.3
Finland	0.7	0.7	0.1
Kazakhstan	0.0	0.0	10.6
Kyrgyzstan	0.3	0.3	0.0
Moldova	0.1	0.1	0.0
Nigeria	0.0	0.0	0.0
Poland	0.2	0.2	0.5
Sweden	0.0	0.0	0.0
Tajikistan	0.7	0.7	0.0
Ukraine	1.4	1.4	1.3
All Others	13.8	13.8	0.2
Total	18.5	18.5	12.9

Calculated export value 180 US\$/metric ton (F.O.B. Source)

Ukraine Imports			
Origin	Q4 2010	YTD 10	YTD 09
Angola	0.0	0.0	0.0
Bulgaria	0.0	0.0	0.0
Germany	0.0	0.0	0.2
Guyana	0.0	0.0	0.0
Hungary	0.0	0.0	0.0
Italy	0.0	0.0	0.1
Liberia	0.0	0.0	0.0
Romania	0.0	0.0	0.0
Russia	3.9	14.3	9.7
United States	0.9	0.9	0.1
All Others	0.0	0.1	0.1
Total	4.8	15.4	10.2

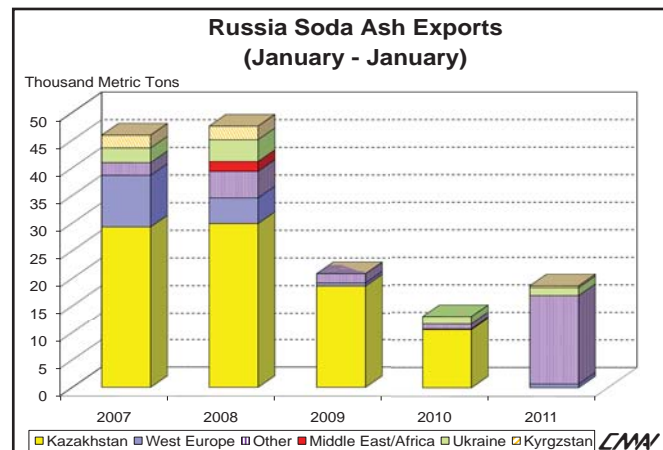
Calculated import value 240 US\$/metric ton (C.I.F.)

Ukraine Exports			
Destination	Q4 2010	YTD 10	YTD 09
Austria	0.0	0.0	0.0
Bangladesh	1.8	2.2	0.0
Egypt	0.0	8.1	17.6
Georgia	0.0	0.0	0.0
India	20.3	93.1	24.8
Italy	0.0	24.9	38.6
Moldova	3.4	8.3	6.6
Poland	0.7	3.1	4.4
Russia	53.7	164.6	153.2
Turkey	3.8	12.9	24.3
All Others	19.3	79.1	92.7
Total	103.1	396.2	362.1

Calculated export value 200 US\$/metric ton (F.O.B. Source)

Australia Imports			
Origin	Q4 2010	YTD 10	YTD 09
United States	31.8	82.9	87.1
China	0.8	7.2	27.0
Spain	0.0	0.0	0.0
Germany	0.0	0.0	0.0
Belgium	0.0	0.0	0.0
Denmark	0.0	0.0	0.0
France	0.0	0.0	0.0
Others	0.0	0.8	0.0
Total	32.6	90.8	114.2

Calculated import value 220 US\$/metric ton (C.V)



EUROPE/MIDDLE EAST/AFRICA/SOUTH AMERICA SODA ASH TRADE

All data shown in Thousand Metric Tons

EU15 Imports			
Origin	Dec-10	YTD 10	YTD 09
Bosnia & Herzegovina	5.6	71.8	30.7
Bulgaria	0.0	45.6	59.5
China	0.0	0.2	34.7
Poland	11.6	132.5	168.0
Romania	0.3	2.5	10.9
Russia	0.1	21.0	23.3
Slovenia	0.0	0.5	0.3
Turkey	67.9	822.8	345.1
Ukraine	0.5	33.2	67.7
United States	33.9	524.5	651.1
All Others	0.1	55.4	2.6
Total	120.1	1710.0	1394.0

Calculated import value 180 US\$/metric ton (C.I.F.)

Bulgaria Exports			
Destination	Dec-10	YTD 10	YTD 09
Italy	0.0	50.5	38.6
Serbia	0.0	49.0	0.0
Slovenia	2.4	35.8	34.2
Greece	2.7	26.1	18.5
Romania	0.1	7.0	3.9
Sweden	0.0	5.9	0.0
Austria	1.0	8.9	21.3
Turkey	0.0	5.3	1.0
Spain	0.0	3.2	0.0
Israel	0.0	3.2	0.0
All Others	92.1	492.7	914.5
Total	98.3	687.6	1032.1

Calculated export value 160 US\$/metric ton (F.O.B. Source)

Turkey Imports			
Origin	Dec-10	YTD 10	YTD 09
Bosnia & Herzegovina	0.0	14.5	18.5
Bulgaria	13.3	229.6	196.1
France	0.0	0.0	0.0
Germany	0.0	0.0	0.0
Hungary	0.0	0.0	0.0
Italy	0.0	0.0	0.0
Romania	1.3	14.9	24.5
Russia	0.0	0.0	9.1
Ukraine	1.0	14.8	23.6
China	0.0	0.0	4.4
All Others	0.0	0.2	1.9
Total	15.6	274.1	278.0

Calculated import value 180 US\$/metric ton (C.I.F.)

Argentina Imports			
Origin	Q4 2010	YTD 10	YTD 09
Chile	0.0	0.0	0.0
Bulgaria	0.0	0.1	5.7
France	0.1	0.1	0.2
Germany	0.0	0.0	0.3
Italy	0.0	0.0	0.0
Japan	0.0	0.0	0.0
Mexico	0.0	0.0	0.0
Netherlands	0.0	0.0	0.0
Spain	8.4	19.5	6.5
United States	14.2	73.7	95.5
All Others	0.0	0.0	4.2
Total	22.7	93.4	112.5

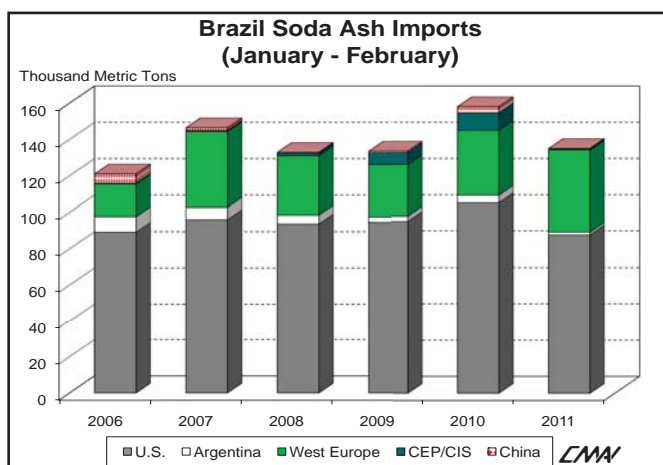
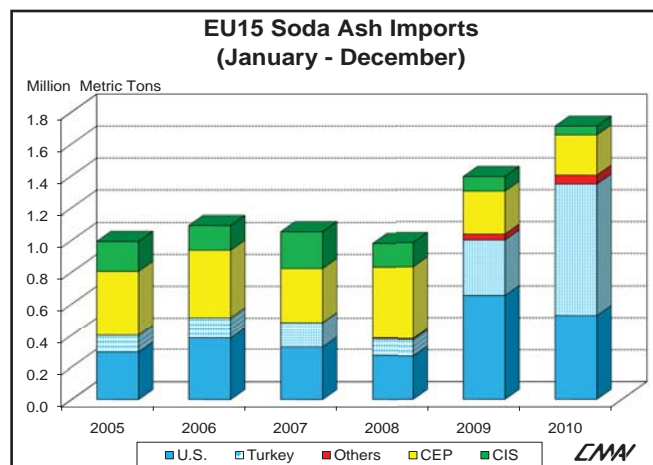
Calculated import value 200 US\$/metric ton (C.I.F.)

South Africa Imports			
Origin	Jan-11	YTD 11	YTD 10
Bosnia & Herzegovina	0.0	0.0	0.0
Bulgaria	0.0	0.0	0.4
China	0.0	0.0	0.2
Italy	0.0	0.0	0.0
Kenya	0.0	0.0	5.9
Pakistan	0.6	0.6	0.0
Russia	0.0	0.0	0.0
Switzerland	0.0	0.0	0.0
Turkey	0.1	0.1	0.0
United States	8.8	8.8	12.9
All Others	0.2	0.2	0.0
Total	9.7	9.7	19.6

Calculated import value 130 US\$/metric ton (F.O.B. Source)

Brazil Imports			
Origin	Feb-11	YTD 11	YTD 10
Argentina	0.9	1.5	4.1
Belgium	0.0	0.0	0.0
Bulgaria	0.1	0.1	8.9
China	0.1	0.2	3.4
Italy	0.1	0.1	0.1
Romania	0.1	0.4	0.2
Spain	22.9	45.2	35.3
Ukraine	0.0	0.0	0.6
United Kingdom	0.0	0.0	0.4
United States	38.9	87.1	105.0
All Others	2.1	2.3	0.3
Total	65.2	136.9	158.3

Calculated import value 180 US\$/metric ton (F.O.B. Source)



INDIAN SUBCONTINENT SODA ASH TRADE

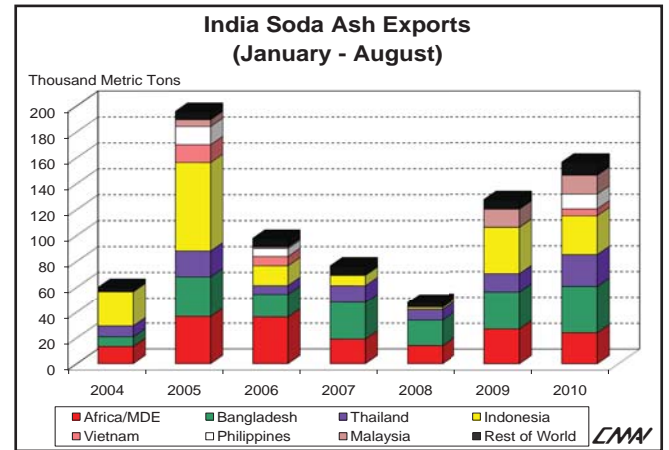
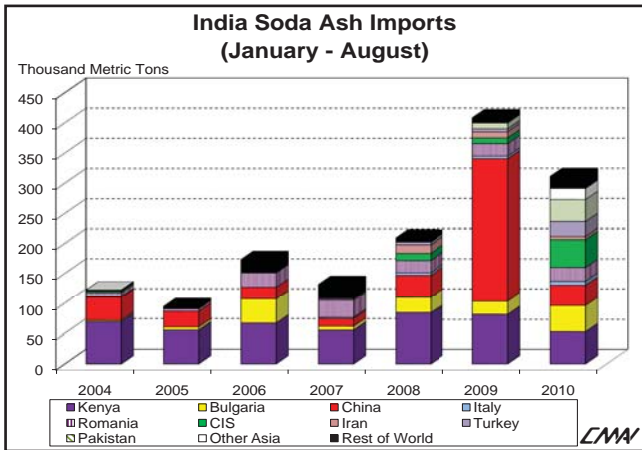
All data shown in Thousand Metric Tons

India Imports			
Origin	Aug-10	YTD 10	YTD 09
Kenya	6.8	54.0	82.9
China	0.6	32.7	235.5
Bulgaria	5.6	43.6	21.8
Ukraine	5.0	44.8	9.1
Iran	0.3	5.3	10.0
United States	0.0	3.6	0.0
Italy	2.5	36.5	9.7
Germany	0.0	1.6	1.8
Romania	1.3	23.0	20.4
Russia	0.0	0.1	1.0
All Others	4.2	65.5	15.9
Total	26.4	310.6	408.1

Calculated import value 220 US\$/metric ton (C.I.F.)

India Exports			
Destination	Aug-10	YTD 10	YTD 09
Indonesia	0.0	30.1	35.9
Bangladesh	0.8	35.8	28.4
United Arab Emirates	0.5	3.5	8.8
Kuwait	0.5	2.0	6.3
Oman	0.0	1.0	0.1
Nepal	0.0	1.3	2.2
Kenya	0.0	0.5	0.1
Thailand	0.0	24.7	14.3
Saudi Arabia	2.3	9.8	11.5
Sri Lanka	0.0	3.9	3.5
All Others	2.1	41.6	15.1
Total	6.2	154.1	126.4

Calculated export value 190 US\$/metric ton (F.O.B. Source)



Soda Ash Freight Rates - Estimated Costs

[-----SOURCE-----]
 Romania Spain US Gulf Coast US West Coast China* Kenya

DESTINATION:

US\$ Per Metric Ton

N.E.Asia			80-120	10-20	
S.E.Asia			65-100	25-30	25-30 (i)
India	35-40 (i)			25-40	15-20 (i)
Brazil / Colombia	25-28	30*-70	40*-80	75-120	
W.Europe		60-100	70-100	85	
North Africa	20-40 (i)	45-65			
South Africa		50-70		60-80	30*-40

Basis: bulk shipments - volumes can range between 3-25,000 metric tons

(i) container shipments. * spot freight rates

Last Updated: February 2011

Table is updated quarterly.

CHINA SODA ASH QUARTERLY SUPPLY/DEMAND (Thousand Metric Tons)

	2010				2011				2012				2010	2011	2012	AAGR (%)			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				09-10	10-11	11-12	
SUPPLY		Actual				Forecast				Forecast				Forecast			Forecast		
	Nameplate Capacity	6111	6179	6246	6246	6544	6617	6690	6690	7216	7296	7376	7376	24782	26540	29265	3.2	7.1	10.3
	Operating Rate (%)	86	82	77	78	80	81	81	81	78	78	78	77	81	81	78			
	Production	5249	5081	4840	4873	5259	5393	5412	5401	5652	5707	5721	5646	20043	21465	22725	2.2	7.1	5.9
	Imports	1	0	0	0	2	2	2	2	2	2	2	2	1	8	8	-96.9	700.0	0.0
Total Supply	5250	5081	4840	4873	5261	5395	5414	5403	5654	5709	5723	5648	20044	21473	22733	2.0	7.1	5.9	
DEMAND	Container Glass	649	830	815	767	798	834	839	817	839	903	903	850	3061	3288	3495	7.6	7.4	6.3
	Flat Glass	1771	1862	1807	1869	1957	1968	1980	1991	2130	2107	2107	2084	7309	7896	8428	13.1	8.0	6.7
	Other Glass	266	244	237	229	259	263	263	263	281	281	281	266	976	1048	1109	4.1	7.4	5.8
	Chemicals	325	324	325	311	346	344	331	330	368	366	353	354	1285	1351	1441	6.4	5.1	6.7
	Soaps & Detergents	376	432	439	441	431	447	445	431	462	462	462	462	1688	1754	1849	4.4	3.9	5.4
	STPP	149	149	144	144	149	144	144	144	144	144	144	144	585	581	576	-15.3	-0.8	-0.8
	Pulp & Paper	3	3	3	3	4	4	4	4	4	4	4	4	13	15	17	6.9	15.3	12.3
	Metals & Mining	400	340	300	316	344	353	364	362	339	358	389	408	1356	1423	1494	5.2	4.9	5.0
	Others	931	469	371	417	544	548	554	562	567	564	560	557	2188	2208	2248	-3.0	0.9	1.8
	Domestic Demand	4870	4653	4442	4497	4831	4905	4924	4904	5135	5190	5204	5129	18462	19564	20657	6.6	6.0	5.6
	Exports	380	428	398	376	430	490	490	499	519	519	519	519	1582	1909	2076	-31.9	20.7	8.7
	Total Demand	5250	5081	4840	4873	5261	5395	5414	5403	5654	5709	5723	5648	20044	21473	22733	2.0	7.1	5.9
	Estimated Inv. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

WEST EUROPE SODA ASH QUARTERLY SUPPLY/DEMAND

(Thousand Metric Tons)

	2010				2011				2012				2010	2011	2012	AAGR (%)			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				09-10	10-11	11-12	
SUPPLY	Actual				Forecast				Forecast				Forecast			Forecast			
	Nameplate Capacity	1569	1587	1604	1604	1569	1587	1604	1604	1569	1587	1604	1604	6365	6365	6365	-2.6	0.0	0.0
	Operating Rate (%)	82	80	73	73	81	82	82	82	82	84	83	82	77	82	83			
	Production	1281	1270	1177	1176	1267	1301	1314	1320	1287	1339	1336	1316	4904	5202	5277	-0.4	6.1	1.5
	Imports	394	435	460	421	415	415	415	415	430	430	420	420	1710	1660	1700	30.3	-2.9	2.4
Total Supply	1675	1705	1637	1597	1682	1716	1729	1735	1717	1769	1756	1736	6614	6862	6977	6.1	3.7	1.7	
DEMAND	Container Glass	596	641	625	594	634	659	648	645	641	665	669	638	2455	2586	2613	5.2	5.3	1.1
	Flat Glass	356	356	360	362	365	367	375	389	380	404	385	389	1433	1496	1558	3.3	4.4	4.2
	Other Glass	75	75	77	75	79	81	81	80	82	85	84	82	303	321	333	5.5	6.0	3.7
	Chemicals	152	154	154	154	160	160	165	168	169	169	169	169	614	653	676	6.4	6.3	3.5
	Soaps & Detergents	238	244	254	252	248	248	248	248	249	249	249	249	988	992	996	6.3	0.4	0.4
	Others	154	130	60	50	90	97	107	100	96	96	100	109	394	394	401	6.2	0.0	1.8
	Domestic Demand	1570	1600	1530	1487	1577	1611	1624	1630	1617	1669	1656	1636	6187	6442	6577	5.1	4.1	2.1
	Exports	105	105	107	110	105	105	105	105	100	100	100	100	427	420	400	22.3	-1.6	-4.8
	Total Demand	1675	1705	1637	1597	1682	1716	1729	1735	1717	1769	1756	1736	6614	6862	6977	6.1	3.7	1.7
Est Inventory Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

UNITED STATES SODA ASH QUARTERLY SUPPLY/DEMAND

(Thousand Metric Tons)

	2010				2011				2012				2010	2011	2012	AAGR (%)			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				09-10	10-11	11-12	
SUPPLY		Actual				Forecast				Forecast				Forecast			Forecast		
	Nameplate Capacity	2959	2992	3025	3025	2959	2992	3139	3139	3071	3105	3139	3139	12000	12229	12454	-1.1	1.9	1.8
	Capacity Effective*	2723	2753	2784	2784	2723	2753	2889	2889	2826	2857	2889	2889	11043	11254	11461	-1.6	1.9	1.8
	Operating Rate (%)	84	85	86	90	92	91	88	88	91	91	91	90	86	90	91			
	Effective Oper. Rate (%)	91	93	94	98	100	99	95	95	99	99	98	98	94	97	98			
	Production	2478	2551	2604	2717	2711	2736	2757	2748	2786	2816	2845	2838	10350	10952	11283	11.1	5.8	3.0
	Imports	2	2	13	2	1	1	2	1	1	1	2	1	19	5	5	94.0	-74.2	0.0
Total Supply	2480	2553	2617	2719	2712	2737	2759	2749	2787	2817	2847	2839	10369	10957	11288	11.2	5.7	3.0	
DEMAND	Container Glass	294	305	303	295	303	304	306	298	306	313	313	306	1198	1210	1238	-5.7	1.0	2.2
	Flat Glass	195	195	195	198	205	207	211	215	205	209	237	248	783	838	898	3.3	7.0	7.2
	Chemicals	390	380	370	373	410	415	416	410	410	420	420	410	1513	1651	1660	3.3	9.1	0.5
	Soaps & Detergents	125	125	120	113	125	125	135	135	132	140	139	137	483	520	548	0.2	7.7	5.4
	Pulp & Paper	23	26	30	30	27	27	28	30	30	30	31	32	109	112	123	5.8	2.8	9.8
	Water Treatment	12	13	14	16	13	14	15	16	14	15	14	16	55	58	59	1.9	5.5	1.7
	Others	186	140	259	247	200	215	218	215	215	215	218	215	832	848	863	-5.2	1.9	1.8
	Domestic Demand	1225	1184	1291	1272	1282	1307	1329	1319	1312	1342	1372	1364	4973	5237	5388	-0.7	5.3	2.9
	Exports	1297	1367	1353	1375	1430	1430	1430	1430	1475	1475	1475	1475	5392	5720	5900	22.3	6.1	3.1
	Total Demand	2522	2551	2644	2647	2712	2737	2759	2749	2787	2817	2847	2839	10365	10957	11288	10.0	5.7	0.0
Estimated Inv. Change	-42	2	-27	72	0	0	0	0	0	0	0	0	4	0	0				

INTERNATIONAL GLASS STATISTICS

CHINA PRODUCTION

Time Period	Flat	Container
	-000- Metric Tons	
2006	20,250	9,950
2007	24,874	10,699
2008	27,073	11,448
2009	27,907	11,714
2010	31,568	14,233
Sep-10	2,715	1,406
Oct	2,605	1,136
Nov	2,658	1,306
Dec	2,810	1,126
Jan-11	2,898	975
Feb	2,814	977
Total Jan-Feb 11	5,712	1,952
Total Jan-Feb 10	4,955	1,909
Change 10/09	15%	2%

Data Source: Government Statistics

EU 27 CONTAINER GLASS PRODUCTION

	-000- Metric Tons				Change 09/08
	2006	2007	2008	2009	
Germany	3,886	4,080	4,142	3,779	-8.76%
Italy	3,549	3,621	3,674	3,334	-9.25%
France	3,828	3,744	3,579	3,154	-11.88%
United Kingdom	2,160	2,244	2,431	2,116	-12.95%
Spain	2,148	2,222	2,146	1,928	-10.15%
Portugal	1,096	1,231	1,252	1,288	2.87%
Poland	1,120	1,230	873	792	-9.29%
Turkey	597	705	768	613	-20.27%
Other EU South-East	1,149	1,203	1,206	1,077	-10.73%
Other EU North & Central	2,006	2,149	2,074	1,920	-7.43%
Total Europe	21,538	22,429	22,146	20,000	-9.69%
Total EU 27	20,872	21,621	21,268	19,285	-9.33%

Source: FEVE

U.S. CONTAINER GLASS SHIPMENTS, PRODUCTION, & STOCKS

Time Period	Shipments	Production	Stocks
	-000- Gross		
August '10	17,848	16,752	19,230
September	15,941	15,721	18,894
October	15,774	17,196	20,128
November	14,925	16,538	21,579
December	13,552	12,969	20,963
January '11	15,097	16,345	22,096
2011 YTD	15,097	16,345	22,096
2010 YTD	14,446	16,316	23,704
Change 09/10	5%	0%	-7%

Note: One thousand gross = 144,000; Data Source: Glass Packaging Institute

EUROPEAN UNION 27 PRODUCTION

Time Period	Flat Glass	Container	Tableware	Fibres	Others	Total
	-000- Metric Tons					
2007	10,262	21,624	1,534	815	1,222	35,457
2008	9,864	21,270	1,440	823	967	34,364
2009	9,082	19,356	1,062	476	934	30,910
Change 09/08	-7.9%	-9.0%	-26.3%	-42.1%	-3.4%	-10.1%

Data Source: CPIV