

Table 3-13
Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates					
	January	February	March	April	May	June
	millions of chained (2002) dollars					
All industries - [T001]						
2004	1,108,553	1,107,497	1,117,035	1,119,574	1,120,374	1,125,574
2005	1,143,547	1,144,266	1,140,346	1,148,751	1,153,629	1,157,069
2006	1,184,765	1,187,443	1,190,174	1,190,411	1,190,914	1,188,967
2007	1,203,660	1,209,814	1,213,535	1,215,462	1,219,145	1,221,432
2008	1,227,593	1,225,918	1,225,444	1,227,674	1,227,609	1,230,049
2009	1,199,852	1,197,905	1,190,913	1,188,150	1,184,224	1,186,242
2010	1,219,203	1,221,842	1,227,998	1,228,216	1,229,566	1,233,252
Chemical manufacturing - [325]						
2004	15,229	15,087	15,264	15,361	14,904	15,899
2005	15,334	15,072	15,218	15,246	14,967	14,683
2006	15,341	15,399	15,644	15,497	15,621	15,140
2007	14,393	14,746	14,648	14,480	14,206	14,293
2008	13,493	13,506	13,341	13,861	13,931	13,583
2009	12,994	12,339	12,472	12,254	12,373	12,689
2010	13,707	13,824	13,680	13,137	13,473	13,489
Basic chemical manufacturing - [3251]						
2004	3,402	3,308	3,323	3,275	3,161	3,173
2005	3,107	3,298	3,298	3,351	3,441	3,354
2006	3,619	3,610	3,591	3,465	3,452	3,347
2007	3,275	3,338	3,379	3,421	3,291	3,156
2008	3,110	3,160	3,067	3,166	3,216	3,113
2009	2,594	2,564	2,527	2,526	2,446	2,527
2010	2,669	2,605	2,791	2,732	2,779	2,798
Petrochemical manufacturing - [32511]						
2004	968	949	940	903	860	844
2005	848	781	788	780	850	800
2006	850	964	962	941	952	902
2007	957	922	984	968	940	957
2008	954	989	876	810	869	829
2009	599	570	583	584	584	584
2010	667	648	709	738	707	771
Other basic chemical manufacturing - [3251X]						
2004	2,432	2,359	2,379	2,366	2,295	2,318
2005	2,256	2,491	2,485	2,537	2,567	2,523
2006	2,742	2,631	2,616	2,513	2,492	2,435
2007	2,320	2,405	2,397	2,449	2,351	2,212
2008	2,174	2,194	2,191	2,331	2,333	2,267
2009	1,957	1,951	1,907	1,905	1,831	1,906
2010	1,976	1,931	2,058	1,982	2,049	2,019
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing - [3252]						
2004	2,618	2,850	2,904	3,171	3,205	3,594
2005	3,508	3,464	3,574	3,342	3,341	3,247
2006	3,013	2,777	2,970	3,339	3,176	3,070
2007	3,306	3,074	3,064	3,070	3,052	3,140
2008	2,802	2,874	2,706	2,822	2,692	2,797
2009	2,196	1,939	2,135	1,976	2,054	2,031
2010	2,181	2,161	2,157	2,070	1,950	1,881
Pesticide, fertilizer and other agricultural chemical manufacturing - [3253]						
2004	1,115	1,078	1,131	1,162	1,002	1,186
2005	1,181	1,182	1,261	1,279	1,181	1,088
2006	1,262	1,372	1,281	1,280	1,279	1,176
2007	1,108	1,163	1,085	1,079	1,117	1,155
2008	1,041	1,029	1,070	1,030	1,034	1,048
2009	968	930	889	883	922	926
2010	1,014	898	906	932	833	743

Table 3-13 – continued

Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates					
	January	February	March	April	May	June
millions of chained (2002) dollars						
Pharmaceutical and medicine manufacturing - [3254]						
2004	4,191	3,876	3,873	3,802	3,746	3,915
2005	3,847	3,692	3,718	3,860	3,627	3,620
2006	4,208	4,375	4,499	4,255	4,508	4,265
2007	3,667	3,843	3,896	3,736	3,600	3,758
2008	3,421	3,444	3,318	3,620	3,640	3,525
2009	3,960	3,752	3,913	3,852	3,891	4,023
2010	4,623	4,762	4,536	4,213	4,668	4,631
Miscellaneous chemical product manufacturing - [325A]						
2004	3,939	4,035	4,095	4,040	3,875	4,129
2005	3,845	3,643	3,598	3,595	3,591	3,562
2006	3,324	3,251	3,289	3,309	3,242	3,315
2007	3,286	3,438	3,346	3,343	3,323	3,242
2008	3,252	3,163	3,290	3,320	3,394	3,205
2009	3,046	2,894	2,793	2,763	2,807	2,894
2010	2,851	2,997	2,958	2,891	2,828	3,013
Paint, coating and adhesive manufacturing - [3255]						
2004	1,192	1,213	1,229	1,198	1,152	1,307
2005	1,286	1,110	1,150	1,155	1,144	1,113
2006	1,065	1,044	1,054	1,062	1,017	1,123
2007	1,007	1,087	1,035	1,088	1,099	1,050
2008	1,103	1,061	1,092	1,100	1,143	1,017
2009	1,018	979	893	871	910	944
2010	916	918	943	858	848	925
Soap, cleaning compound and toilet preparation manufacturing - [3256]						
2004	1,341	1,361	1,338	1,340	1,275	1,265
2005	960	879	894	872	867	865
2006	873	882	884	865	870	875
2007	856	871	829	820	803	792
2008	758	736	765	780	756	733
2009	708	689	684	698	707	724
2010	714	738	722	660	651	682
Soap and cleaning compound manufacturing - [32561]						
2004	882	899	888	899	857	848
2005	601	522	527	483	456	438
2006	445	454	464	450	456	455
2007	395	389	381	402	390	389
2008	389	381	376	383	365	355
2009	343	338	341	344	350	350
2010	336	338	333	313	319	322
Toilet preparation manufacturing - [32562]						
2004	450	451	438	425	400	399
2005	361	366	380	406	435	457
2006	457	457	445	440	439	447
2007	497	520	482	451	445	432
2008	395	379	417	426	420	407
2009	392	377	367	380	383	402
2010	406	430	418	374	356	387
Other chemical product manufacturing - [3259]						
2004	1,387	1,444	1,517	1,491	1,440	1,556
2005	1,611	1,679	1,571	1,586	1,601	1,607
2006	1,399	1,335	1,361	1,394	1,368	1,325
2007	1,437	1,492	1,501	1,442	1,429	1,412
2008	1,397	1,374	1,443	1,450	1,505	1,473
2009	1,328	1,229	1,227	1,205	1,198	1,232
2010	1,230	1,359	1,305	1,400	1,354	1,428

Table 3-13 – continued

Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates					
	July	August	September	October	November	December
	millions of chained (2002) dollars					
All industries - [T001]						
2004	1,126,357	1,130,892	1,133,852	1,134,015	1,138,094	1,138,174
2005	1,160,028	1,164,393	1,165,353	1,169,253	1,175,654	1,181,871
2006	1,191,165	1,192,085	1,190,448	1,192,434	1,195,178	1,202,852
2007	1,220,408	1,224,229	1,224,399	1,225,659	1,227,286	1,222,719
2008	1,235,916	1,230,890	1,230,454	1,230,785	1,220,842	1,208,539
2009	1,188,066	1,187,338	1,194,753	1,198,094	1,206,697	1,212,258
2010	1,233,696	1,237,273	1,236,231	1,239,687	1,245,004	1,251,359
Chemical manufacturing - [325]						
2004	15,412	15,560	15,467	15,452	15,422	15,850
2005	14,977	15,054	15,053	15,092	14,865	15,219
2006	15,325	15,617	15,131	14,829	15,029	14,367
2007	13,755	13,254	13,689	13,812	13,694	14,182
2008	14,098	13,667	13,623	14,147	13,353	12,893
2009	13,053	12,721	12,790	12,610	13,273	13,285
2010	13,005	13,209	13,240	12,742	12,610	12,790
Basic chemical manufacturing - [3251]						
2004	3,107	3,146	3,024	2,996	2,923	3,141
2005	3,430	3,383	3,410	3,514	3,481	3,601
2006	3,504	3,465	3,475	3,429	3,240	3,299
2007	2,981	3,028	3,096	3,105	3,144	3,246
2008	3,080	2,964	2,929	2,892	2,742	2,438
2009	2,598	2,587	2,562	2,468	2,565	2,720
2010	2,823	2,779	2,927	2,881	2,795	2,943
Petrochemical manufacturing - [32511]						
2004	856	834	792	797	761	754
2005	714	767	707	803	817	813
2006	937	948	961	974	942	995
2007	913	953	979	922	964	977
2008	874	827	883	760	713	596
2009	639	591	557	561	592	615
2010	741	687	752	754	794	838
Other basic chemical manufacturing - [3251X]						
2004	2,244	2,301	2,219	2,188	2,148	2,363
2005	2,662	2,576	2,648	2,669	2,625	2,741
2006	2,554	2,507	2,507	2,451	2,300	2,312
2007	2,084	2,098	2,142	2,193	2,198	2,283
2008	2,203	2,130	2,057	2,113	2,010	1,814
2009	1,931	1,957	1,959	1,869	1,935	2,062
2010	2,065	2,064	2,152	2,109	1,999	2,104
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing - [3252]						
2004	3,255	3,222	3,325	3,267	3,476	3,549
2005	3,303	3,394	3,138	3,231	3,199	3,183
2006	3,221	3,359	3,144	2,950	2,990	2,999
2007	2,986	2,882	2,953	2,832	2,920	3,009
2008	2,804	2,768	2,586	2,631	2,312	2,106
2009	2,032	1,953	2,044	2,111	2,112	2,118
2010	1,900	1,948	1,985	1,910	2,101	2,265
Pesticide, fertilizer and other agricultural chemical manufacturing - [3253]						
2004	1,095	1,116	1,232	1,182	1,156	1,094
2005	1,187	1,138	1,268	1,210	1,265	1,352
2006	1,223	1,291	1,088	1,145	1,191	1,148
2007	1,074	1,000	1,128	1,184	1,061	1,094
2008	1,102	1,112	1,157	1,129	1,029	1,082
2009	1,062	933	823	826	946	872
2010	764	822	821	840	873	839

Table 3-13 – continued

Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates					
	July	August	September	October	November	December
	millions of chained (2002) dollars					
Pharmaceutical and medicine manufacturing - [3254]						
2004	3,847	3,978	4,002	4,039	3,993	4,305
2005	3,909	3,932	4,052	3,998	3,834	3,907
2006	4,267	4,392	4,202	4,184	4,364	3,793
2007	3,545	3,191	3,366	3,525	3,453	3,548
2008	3,908	3,680	3,847	4,249	3,848	3,912
2009	4,145	4,106	4,188	4,082	4,464	4,497
2010	4,282	4,327	4,252	3,908	3,719	3,741
Miscellaneous chemical product manufacturing - [325A]						
2004	4,166	4,152	3,959	4,023	3,952	3,851
2005	3,333	3,391	3,321	3,304	3,267	3,346
2006	3,222	3,236	3,298	3,161	3,236	3,261
2007	3,317	3,358	3,322	3,261	3,281	3,455
2008	3,212	3,178	3,032	3,098	3,247	3,067
2009	2,884	2,817	2,877	2,867	2,833	2,753
2010	2,900	2,984	2,952	2,943	2,958	2,913
Paint, coating and adhesive manufacturing - [3255]						
2004	1,399	1,322	1,265	1,310	1,299	1,234
2005	1,056	1,149	1,053	1,019	995	1,054
2006	1,036	1,018	1,070	1,044	1,077	1,062
2007	1,076	1,098	1,094	1,087	1,091	1,124
2008	1,044	1,028	982	1,051	1,061	1,024
2009	953	945	937	936	848	847
2010	861	850	836	785	792	758
Soap, cleaning compound and toilet preparation manufacturing - [3256]						
2004	1,217	1,214	1,139	1,105	1,054	1,004
2005	866	807	846	864	863	869
2006	880	914	921	843	872	845
2007	789	787	769	791	766	775
2008	697	721	728	725	730	715
2009	706	676	694	684	700	685
2010	683	699	702	722	713	706
Soap and cleaning compound manufacturing - [32561]						
2004	819	795	751	726	688	633
2005	449	423	421	425	432	439
2006	463	480	462	411	427	409
2007	383	379	378	381	381	384
2008	343	348	337	326	334	341
2009	350	342	351	353	355	335
2010	316	322	324	315	311	305
Toilet preparation manufacturing - [32562]						
2004	380	406	376	365	355	368
2005	441	407	456	470	462	459
2006	441	460	492	468	479	471
2007	436	437	418	440	412	418
2008	380	401	421	430	427	401
2009	382	358	369	355	371	375
2010	394	406	407	438	433	432
Other chemical product manufacturing - [3259]						
2004	1,553	1,620	1,558	1,617	1,610	1,626
2005	1,425	1,448	1,436	1,437	1,425	1,438
2006	1,317	1,315	1,318	1,284	1,298	1,366
2007	1,465	1,486	1,473	1,390	1,432	1,573
2008	1,488	1,444	1,333	1,326	1,470	1,336
2009	1,231	1,201	1,255	1,257	1,305	1,237
2010	1,381	1,467	1,446	1,474	1,492	1,490

Table 3-13 – continued

Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates				Annual
	First quarter	Second quarter	Third quarter	Fourth quarter	
	millions of chained (2002) dollars				
All industries - [T001]					
2004	1,111,028	1,121,841	1,130,367	1,136,761	1,124,999
2005	1,142,720	1,153,150	1,163,258	1,175,593	1,158,680
2006	1,187,461	1,190,097	1,191,233	1,196,821	1,191,403
2007	1,209,003	1,218,680	1,223,012	1,225,221	1,218,979
2008	1,226,318	1,228,444	1,232,420	1,220,055	1,226,809
2009	1,196,223	1,186,205	1,190,052	1,205,683	1,194,541
2010	1,223,014	1,230,345	1,235,733	1,245,350	1,233,611
Chemical manufacturing - [325]					
2004	15,193	15,388	15,480	15,575	15,409
2005	15,208	14,965	15,028	15,059	15,065
2006	15,461	15,419	15,358	14,742	15,245
2007	14,596	14,326	13,566	13,896	14,096
2008	13,447	13,792	13,796	13,464	13,625
2009	12,602	12,439	12,855	13,056	12,738
2010	13,737	13,366	13,151	12,714	13,242
Basic chemical manufacturing - [3251]					
2004	3,344	3,203	3,092	3,020	3,165
2005	3,234	3,382	3,408	3,532	3,389
2006	3,607	3,421	3,481	3,323	3,458
2007	3,331	3,289	3,035	3,165	3,205
2008	3,112	3,165	2,991	2,691	2,990
2009	2,562	2,500	2,582	2,584	2,557
2010	2,688	2,770	2,843	2,873	2,794
Petrochemical manufacturing - [32511]					
2004	952	869	827	771	855
2005	806	810	729	811	789
2006	925	932	949	970	944
2007	954	955	948	954	953
2008	940	836	861	690	832
2009	584	584	596	589	588
2010	675	739	727	795	734
Other basic chemical manufacturing - [3251X]					
2004	2,390	2,326	2,255	2,233	2,301
2005	2,411	2,542	2,629	2,678	2,565
2006	2,663	2,480	2,523	2,354	2,505
2007	2,374	2,337	2,108	2,225	2,261
2008	2,186	2,310	2,130	1,979	2,151
2009	1,938	1,881	1,949	1,955	1,931
2010	1,988	2,017	2,094	2,071	2,042
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing - [3252]					
2004	2,791	3,323	3,267	3,431	3,203
2005	3,515	3,310	3,278	3,204	3,327
2006	2,920	3,195	3,241	2,980	3,084
2007	3,148	3,087	2,940	2,920	3,024
2008	2,794	2,770	2,719	2,350	2,658
2009	2,090	2,020	2,010	2,114	2,058
2010	2,166	1,967	1,944	2,092	2,042
Pesticide, fertilizer and other agricultural chemical manufacturing - [3253]					
2004	1,108	1,117	1,148	1,144	1,129
2005	1,208	1,183	1,198	1,276	1,216
2006	1,305	1,245	1,201	1,161	1,228
2007	1,119	1,117	1,067	1,113	1,104
2008	1,047	1,037	1,124	1,080	1,072
2009	929	910	939	881	915
2010	939	836	802	851	857

Table 3-13 – continued

Gross domestic product at basic prices, by industry, monthly, quarterly and annual — Chemical manufacturing

	Seasonally adjusted at annual rates				Annual
	First quarter	Second quarter	Third quarter	Fourth quarter	
	millions of chained (2002) dollars				
Pharmaceutical and medicine manufacturing - [3254]					
2004	3,980	3,821	3,942	4,112	3,964
2005	3,752	3,702	3,964	3,913	3,833
2006	4,361	4,343	4,287	4,114	4,276
2007	3,802	3,698	3,367	3,509	3,594
2008	3,394	3,595	3,812	4,003	3,701
2009	3,875	3,922	4,146	4,348	4,073
2010	4,640	4,504	4,287	3,789	4,305
Miscellaneous chemical product manufacturing - [325A]					
2004	4,023	4,015	4,092	3,942	4,018
2005	3,695	3,583	3,348	3,306	3,483
2006	3,288	3,289	3,252	3,219	3,262
2007	3,357	3,303	3,332	3,332	3,331
2008	3,235	3,306	3,141	3,137	3,205
2009	2,911	2,821	2,859	2,818	2,852
2010	2,935	2,911	2,945	2,938	2,932
Paint, coating and adhesive manufacturing - [3255]					
2004	1,211	1,219	1,329	1,281	1,260
2005	1,182	1,137	1,086	1,023	1,107
2006	1,054	1,067	1,041	1,061	1,056
2007	1,043	1,079	1,089	1,101	1,078
2008	1,085	1,087	1,018	1,045	1,059
2009	963	908	945	877	923
2010	926	877	849	778	858
Soap, cleaning compound and toilet preparation manufacturing - [3256]					
2004	1,347	1,293	1,190	1,054	1,221
2005	911	868	840	865	871
2006	880	870	905	853	877
2007	852	805	782	777	804
2008	753	756	715	723	737
2009	694	710	692	690	696
2010	725	664	695	714	699
Soap and cleaning compound manufacturing - [32561]					
2004	890	868	788	682	807
2005	550	459	431	432	468
2006	454	454	468	416	448
2007	388	394	380	382	386
2008	382	368	343	334	356
2009	341	348	348	348	346
2010	336	318	321	310	321
Toilet preparation manufacturing - [32562]					
2004	446	408	387	363	401
2005	369	433	435	464	425
2006	453	442	464	473	458
2007	500	443	430	423	449
2008	397	418	401	419	409
2009	379	388	370	367	376
2010	418	372	402	434	407
Other chemical product manufacturing - [3259]					
2004	1,449	1,496	1,577	1,618	1,535
2005	1,620	1,598	1,436	1,433	1,522
2006	1,365	1,362	1,317	1,316	1,340
2007	1,477	1,428	1,475	1,465	1,461
2008	1,405	1,476	1,422	1,377	1,420
2009	1,261	1,212	1,229	1,266	1,242
2010	1,298	1,394	1,431	1,485	1,402