

Coarse Grains

Reversing a decline that began in the early 1980's, world import demand for coarse grains is projected to strengthen, with annual growth averaging 3.6 percent from 1995 to 2005. Global coarse grain trade is projected to grow to 124 million tons by the year 2005, exceeding the record of 107.9 million tons reached in 1980/81. Strong economic growth is expected to fuel higher coarse grain imports by China and other countries in Asia, North Africa, and Latin America. The FSU, one of the world's largest importers during the 1980s, is expected to be an insignificant net exporter of coarse grains by 2005. High wheat prices reducing feed wheat trade will add to coarse grain imports.

Significant growth in both corn and barley trade is expected. Sorghum trade is projected to increase rapidly through 1998 as prices are attractive for Mexico and Japan. Other coarse grain trade will remain below 1995 levels throughout the baseline as EU rye shipments to Korea will be limited by transport costs.

Corn trade is expected to expand to 90.7 million tons by 2005. The largest gains in corn imports are expected to occur in China, Southeast Asia, and North Africa/Middle East, where demand for feed for livestock is expected to continue expanding rapidly. Although Argentina's corn exports will rise, wheat and oilseed prices will limit corn area expansion, leaving the United States the major beneficiary of robust import demand for corn.

Figure 11

Coarse grain: Historical and projected world area and yield

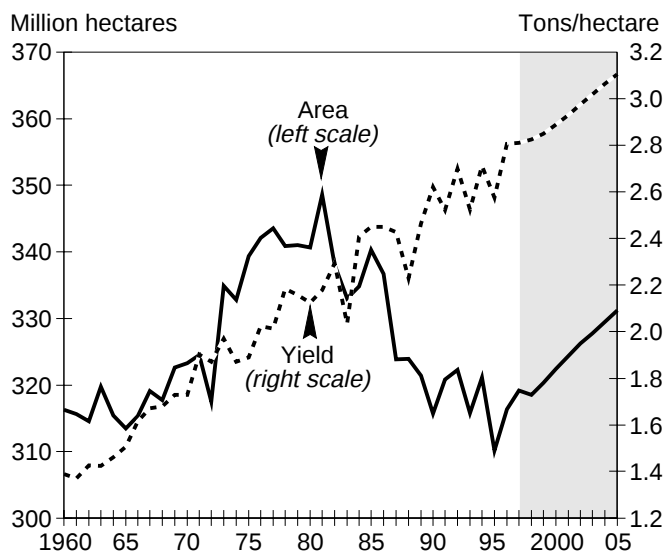
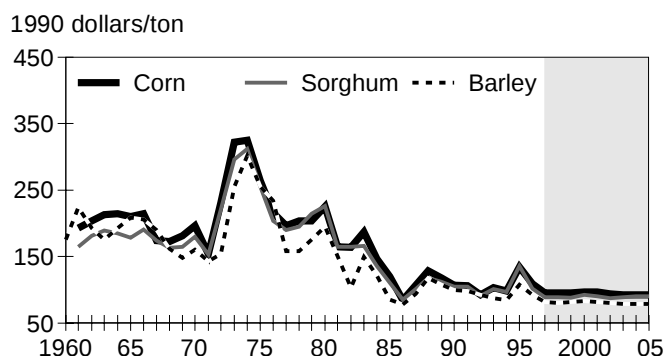


Figure 13

Coarse grain: Historical and projected real prices



Corn = U.S. #2, fob gulf. Sorghum = U.S. #2, fob gulf.
Barley = U.S., fob Duluth.

Figure 12

Coarse grain: Historical and projected world supply and use

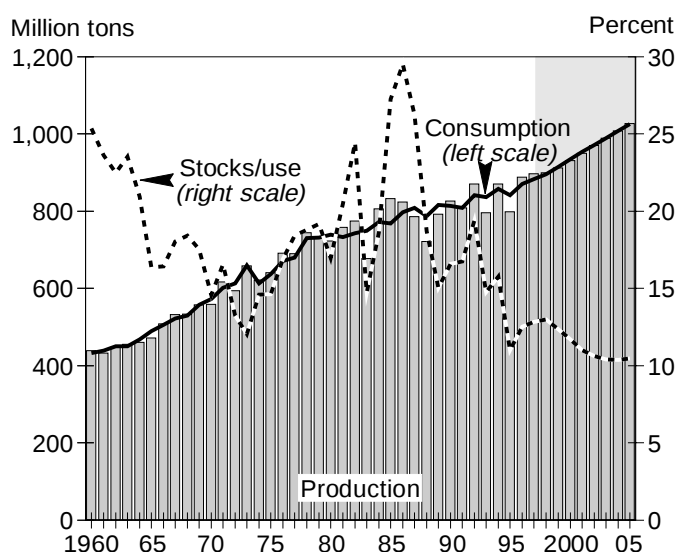


Figure 14

Coarse grain: Historical and projected real price ratios

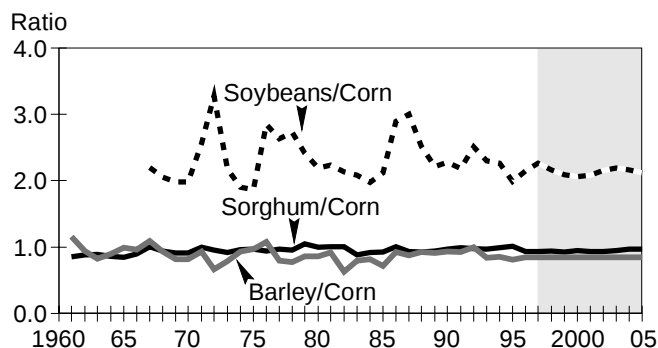


Figure 15

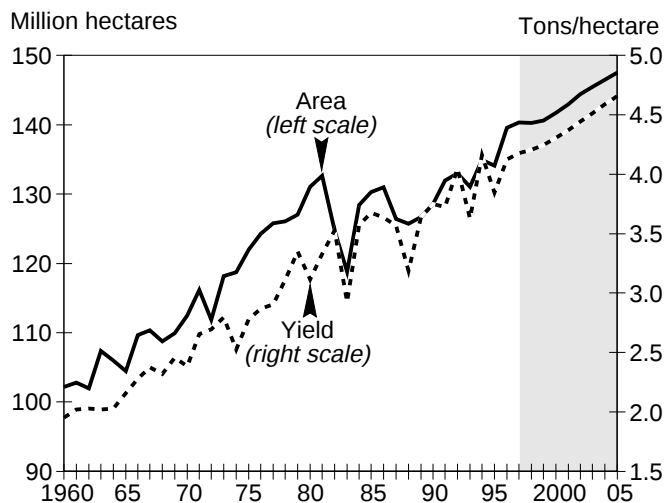
Corn: Historical and projected world area and yield

Figure 17

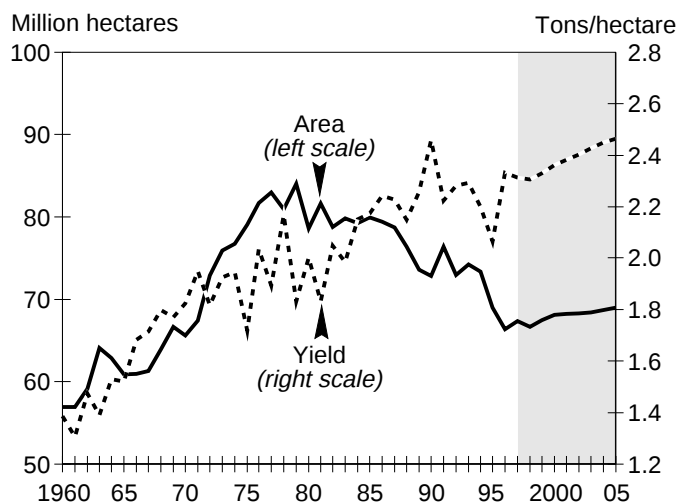
Barley: Historical and projected world area and yield

Figure 19

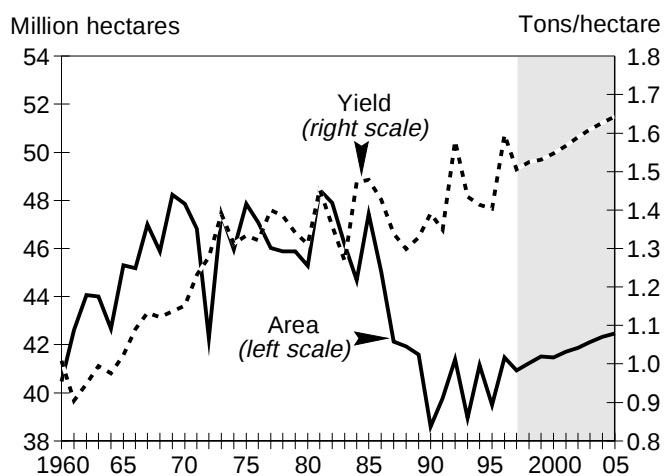
Sorghum: Historical and projected world area and yield

Figure 16

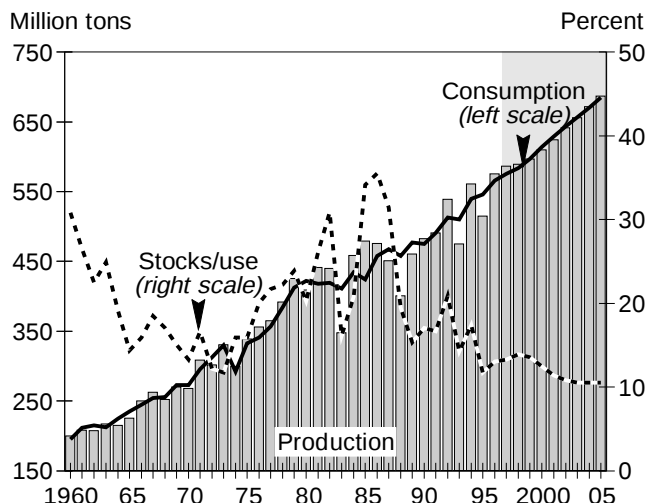
Corn: Historical and projected world supply and use

Figure 18

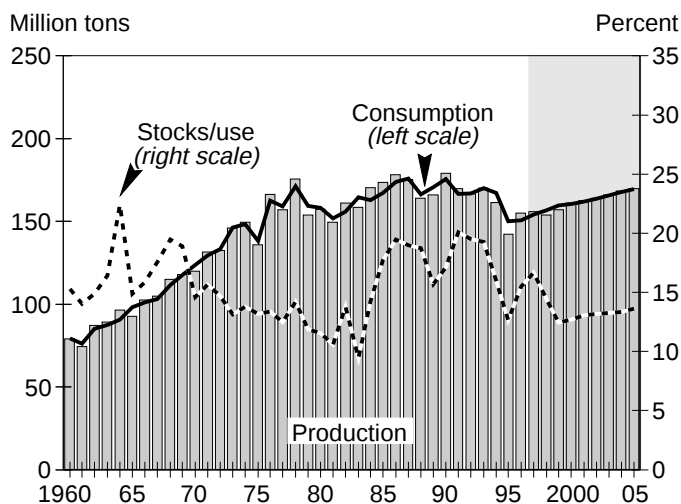
Barley: Historical and projected world supply and use

Figure 20

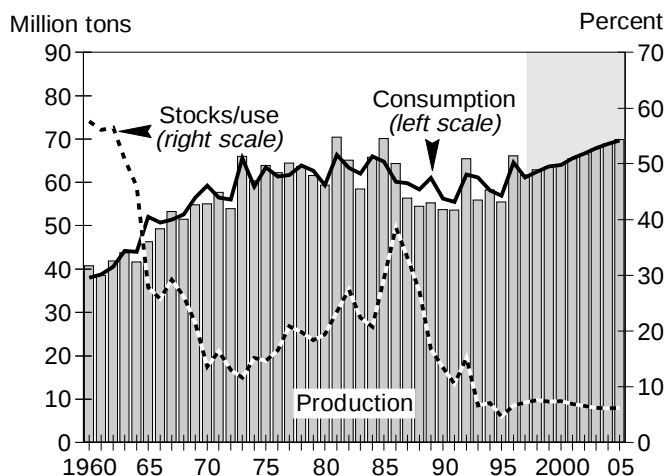
Sorghum: Historical and projected world supply and use

Table 10—Coarse grain trade projections

Crop year	1992	1993	1994	1995	1996	1992-96 avg.	1998	1999	2000	2001	2002	2003	2004	2005
<i>1,000 tons</i>														
Exporters														
United States	51,121	40,343	62,425	63,004	54,784	54,335	68,627	72,056	74,215	75,486	76,883	79,042	81,201	83,868
Argentina	6,027	4,725	6,317	7,800	9,450	6,864	7,892	7,939	8,338	8,612	9,162	9,488	10,056	10,338
Australia	2,711	5,160	1,277	4,285	3,760	3,439	3,091	2,938	3,102	3,318	3,543	3,698	3,844	3,960
Canada	3,626	5,387	4,705	4,164	5,575	4,691	4,366	4,507	4,683	4,789	4,930	4,952	5,022	5,248
China	13,014	12,041	1,601	258	1,050	5,593	411	375	348	331	316	307	297	288
Central/East Europe	1,550	364	1,237	2,810	1,750	1,542	898	959	1,302	1,986	2,669	3,028	3,547	3,882
Czech Republic	91	14	0	5	0	54	0	0	0	0	0	0	0	0
Slovakia	57	44	99	45	45	58	3	0	0	0	0	0	0	0
Hungary	602	43	425	575	500	429	79	76	87	199	304	374	437	518
Poland	189	62	16	105	5	25	25	25	25	25	25	25	25	25
Other Central/East Europe	611	201	537	2,080	1,200	926	791	858	1,190	1,762	2,340	2,629	3,085	3,339
European Union-15 ¹	10,307	10,381	8,074	5,150	6,800	8,142	9,113	9,184	9,258	9,198	9,166	9,520	10,044	10,220
Former Soviet Union ²	2,880	1,491	2,683	1,425	1,150	1,926	1,891	2,232	2,611	3,002	3,185	3,517	3,691	3,933
Russia	400	475	1,778	400	700	751	663	910	2,611	1,153	1,191	1,282	1,289	1,342
Ukraine	280	325	240	275	275	279	671	797	1,062	1,199	1,344	1,585	1,702	1,841
Other Former Soviet Union	2,200	691	665	750	175	896	557	525	600	650	650	650	700	750
South Africa	1,200	4,450	176	2,025	1,000	1,770	781	585	468	445	423	412	402	398
Sub-Saharan Africa	777	998	551	825	150	660	650	650	650	650	650	650	650	650
Thailand	157	128	160	97	100	128	0	0	0	0	0	0	0	0
Turkey	588	622	1,027	155	755	629	355	335	325	316	308	292	292	284
Other	556	1,134	1,577	1,529	1,070	1,173	596	583	579	576	572	567	561	557
Total	94,514	87,224	91,810	93,527	87,394	90,894	98,671	102,343	105,879	108,709	111,807	115,481	119,607	123,626
Importers														
United States	1,455	4,043	3,394	2,790	2,951	2,927	2,902	2,902	2,902	2,902	2,902	2,902	2,902	2,902
Algeria	1,500	1,872	1,421	538	925	1,251	1,460	1,485	1,508	1,536	1,565	1,598	1,632	1,664
Australia	5	273	185	45	10	104	24	24	24	24	24	24	24	24
Brazil	1,387	1,591	1,507	645	725	1,171	1,937	2,080	2,217	2,265	2,347	2,433	2,577	2,723
Canada	1,260	554	931	871	760	875	1,079	1,161	1,249	1,307	1,370	1,422	1,501	1,569
C. Amer. & Carib.	1,688	1,776	2,213	2,025	2,025	1,948	2,212	2,260	2,325	2,359	2,413	2,455	2,527	2,598
China	647	1,318	6,381	2,989	1,600	2,587	5,298	5,664	6,267	6,870	7,769	8,716	10,018	11,442
Central/East Europe	3,715	1,959	1,242	619	630	1,633	1,075	1,182	1,145	1,257	1,358	1,572	1,780	1,909
Czech Republic	121	284	25	60	50	108	120	127	116	180	223	355	456	498
Slovakia	131	47	0	0	0	36	120	149	163	190	211	252	294	320
Hungary	0	253	59	25	20	71	122	129	112	109	109	109	124	124
Poland	2,250	329	884	447	400	862	567	592	606	630	667	707	762	818
Other Central/East Europe	1,213	1,046	274	87	160	556	146	185	148	148	148	149	149	149
European Union-15 ¹	1,940	2,856	3,934	3,979	2,895	3,121	2,903	2,866	2,824	2,858	2,846	2,870	2,837	2,850
Egypt	1,757	2,211	2,613	2,267	2,900	2,350	3,053	3,076	3,099	3,182	3,223	3,323	3,423	3,522
Former Soviet Union ²	12,224	6,099	2,794	2,375	1,805	5,059	1,852	2,542	2,982	3,123	3,214	3,275	3,444	3,558
Russia	7,185	3,700	809	1,050	600	2,669	338	491	598	607	590	564	615	600
Ukraine	925	325	148	25	25	290	25	150	275	350	350	400	400	450
Other Former Soviet Union	4,114	2,074	1,837	1,300	1,180	2,101	1,489	1,901	2,109	2,225	2,274	2,311	2,429	2,508
Indonesia	357	962	1,738	734	750	908	2,500	2,750	3,000	3,250	3,500	3,750	4,000	4,250
Iran	1,334	891	1,476	1,619	1,650	1,394	1,558	1,546	1,525	1,519	1,515	1,517	1,518	1,515
Iraq	1	10	1	2	0	3	419	421	456	471	499	534	575	614
Japan	22,103	21,213	21,174	20,363	21,020	21,175	21,068	21,053	21,073	20,956	20,773	20,614	20,472	20,317
Malaysia	1,957	1,977	2,415	2,343	2,600	2,258	2,849	2,974	3,105	3,246	3,393	3,547	3,708	3,874
Mexico	4,511	4,872	5,832	8,462	5,960	5,927	7,927	8,187	8,406	8,793	9,332	10,212	10,940	11,409
Morocco	965	627	762	508	475	667	549	543	559	567	582	593	608	615
Oth. N. A. & M. East	4,132	3,777	3,943	3,524	4,090	3,893	4,110	4,270	4,388	4,530	4,672	4,835	4,996	5,157
Oth. S. America	2,858	3,525	4,451	4,468	5,136	4,088	4,115	4,086	4,163	4,159	4,173	4,146	4,177	4,197
Pakistan	0	0	0	0	0	0	3	12	19	28	31	43	63	89
Philippines	0	1	136	516	750	281	663	751	889	1,001	1,114	1,158	1,231	1,295
Saudi Arabia	4,802	5,579	3,985	3,874	6,150	4,878	5,715	6,114	6,710	7,031	7,120	7,212	7,385	7,604
South Africa	6	54	633	10	50	151	495	417	260	206	156	135	127	166
South Korea	6,716	5,778	8,966	10,150	8,950	8,112	10,726	11,278	11,818	12,256	12,748	13,143	13,497	13,822
Sub-Saharan Africa	1,769	2,090	2,124	1,088	1,832	1,781	1,713	1,619	1,678	1,687	1,728	1,731	1,658	1,611
Taiwan	5,883	5,885	6,623	6,031	6,330	6,150	6,681	6,812	6,842	6,947	7,028	7,130	7,226	7,301
Thailand	197	8	236	263	400	221	694	857	930	945	847	859	891	982
Tunisia	288	707	575	450	551	514	636	639	643	647	651	657	661	666
Turkey	1,067	196	578	889	500	646	817	1,077	1,107	1,120	1,269	1,440	1,609	1,792
Other	517	804	836	827	920	781	1,638	1,695	1,766	1,667	1,607	1,635	1,600	1,589
Total	87,041	83,508	93,099	85,276	85,340	86,853	98,671	102,343	105,879	108,709	111,807	115,481	119,607	123,626
Exports - Imports	7,473	3,716	(1,289)	8,251	2,054	4,041	0	0	0	0	0	0	0	0

¹Excludes EU-15 intratrade. ²Includes FSU intratrade.

Table 11—Corn trade projections

Crop year	1992	1993	1994	1995	1996	1992-96 avg.	1998	1999	2000	2001	2002	2003	2004	2005
<i>1,000 tons</i>														
Exporters														
United States	42,249	33,741	55,311	56,589	48,262	47,230	60,328	63,503	65,408	66,679	67,949	69,854	71,759	74,299
Argentina	4,749	4,100	6,000	6,900	8,750	6,100	7,429	7,596	8,019	8,254	8,747	9,056	9,595	9,865
Canada	200	523	346	450	400	384	316	322	322	325	329	332	335	339
China	12,623	11,796	1,413	227	1,000	5,412	390	360	337	322	309	301	292	284
Central/East Europe	619	226	744	2,275	1,925	1,158	610	525	734	1,390	2,058	2,455	3,012	3,355
Czech Republic	0	4	13	0	0	3	0	0	0	0	0	0	0	0
Slovakia	0	3	14	25	25	13	0	0	0	0	0	0	0	0
Hungary	222	18	370	500	750	372	78	25	0	128	250	354	437	518
Poland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Central/East Europe	397	201	347	1,750	1,150	769	532	500	734	1,262	1,808	2,101	2,575	2,837
European Union-15 ¹	1,443	1,597	231	255	232	752	250	250	250	250	250	250	250	250
Former Soviet Union ²	220	150	41	255	100	153	428	499	587	756	862	982	1,062	1,138
Russia	100	80	0	0	0	36	0	0	0	0	0	0	0	0
Ukraine	100	50	0	50	50	50	171	299	387	506	612	732	812	838
Other Former Soviet Union	20	20	41	205	50	67	257	200	200	250	250	250	250	300
South Africa	1,200	4,450	125	2,000	1,000	1,755	781	585	468	445	423	412	402	398
Sub-Saharan Africa	257	735	316	725	100	427	525	525	525	525	525	525	525	525
Thailand	147	118	160	97	100	124	0	0	0	0	0	0	0	0
Other	324	635	738	514	220	486	218	214	211	209	208	208	205	205
Total	64,031	58,071	65,425	70,287	62,089	63,981	71,275	74,376	76,861	79,155	81,660	84,375	87,437	90,658
Importers														
United States	180	529	243	419	254	325	254	254	254	254	254	254	254	254
Algeria	1,100	1,225	1,100	488	900	963	1,225	1,256	1,286	1,318	1,351	1,385	1,420	1,455
Brazil	1,220	1,304	1,407	300	500	946	1,735	1,859	1,992	2,043	2,142	2,221	2,356	2,493
Canada	1,255	552	925	855	750	867	1,069	1,151	1,239	1,297	1,360	1,412	1,491	1,559
C. Amer. & Carib.	1,687	1,774	2,187	2,007	2,025	1,936	2,212	2,260	2,325	2,359	2,413	2,455	2,527	2,598
China	0	0	4,287	1,476	50	1,163	3,095	3,521	4,136	4,705	5,531	6,388	7,581	8,910
Central/East Europe	1,569	360	369	367	335	600	487	564	564	578	593	598	622	641
Czech Republic	87	23	25	25	25	37	24	36	36	38	39	38	41	43
Slovakia	48	2	0	0	0	10	27	50	69	78	86	87	100	110
Hungary	0	27	10	10	10	11	0	0	3	0	0	0	0	0
Poland	1,000	150	185	282	200	363	318	327	338	344	350	354	362	369
Other Central/East Europe	434	158	149	50	100	178	118	157	118	118	118	119	119	119
European Union-15 ¹	1,486	2,494	3,412	2,809	2,618	2,564	2,347	2,350	2,300	2,300	2,300	2,300	2,300	2,300
Egypt	1,742	2,135	2,589	2,224	2,850	2,305	3,025	3,075	3,105	3,100	3,200	3,300	3,400	3,500
Former Soviet Union ²	6,177	4,195	609	490	575	2,409	400	930	1,149	1,257	1,257	1,231	1,256	1,310
Russia	4,240	3,300	218	100	200	1,612	100	291	398	407	390	364	365	350
Ukraine	300	175	25	0	0	100	0	0	25	50	50	50	50	50
Other Former Soviet Union	1,637	720	366	390	375	698	300	639	726	800	817	817	841	910
Indonesia	357	962	1,738	734	1,300	1,018	2,500	2,750	3,000	3,250	3,500	3,750	4,000	4,250
Iran	1,160	503	1,092	1,281	1,250	1,057	1,107	1,126	1,135	1,146	1,155	1,165	1,175	1,187
Iraq	0	0	0	0	0	0	215	230	266	277	293	317	344	373
Japan	16,760	16,165	16,481	15,976	15,500	16,176	16,020	15,977	15,950	15,955	15,829	15,695	15,574	15,440
Malaysia	1,957	1,977	2,415	2,343	2,600	2,258	2,849	2,974	3,105	3,246	3,393	3,547	3,708	3,874
Mexico	396	1,691	3,166	6,379	3,500	3,026	4,243	4,367	4,378	4,559	4,834	5,420	5,833	6,168
Morocco	350	375	543	425	400	419	468	474	482	489	498	505	514	521
Oth. N.A. & M. East	1,911	1,413	2,066	1,964	2,000	1,871	1,964	2,062	2,157	2,248	2,339	2,432	2,532	2,636
Oth. S. America	2,639	3,170	4,028	3,976	4,755	3,714	3,770	3,740	3,810	3,801	3,809	3,779	3,803	3,816
Pakistan	0	0	0	0	0	0	3	12	19	28	31	43	63	89
Philippines	0	1	136	516	750	281	663	751	889	1,001	1,114	1,158	1,231	1,295
Saudi Arabia	844	1,073	933	924	1,100	975	1,245	1,344	1,387	1,444	1,508	1,581	1,659	1,744
South Africa	0	20	600	0	30	130	464	366	210	155	103	76	63	93
South Korea	6,544	5,696	8,223	8,963	8,250	7,535	10,307	11,000	11,587	12,033	12,508	12,884	13,218	13,517
Sub-Saharan Africa	1,686	1,885	1,965	1,004	1,750	1,658	1,532	1,448	1,508	1,515	1,554	1,552	1,474	1,400
Taiwan	5,629	5,316	6,288	5,727	6,000	5,792	6,347	6,476	6,502	6,603	6,681	6,779	6,871	6,943
Thailand	197	8	200	259	300	694	694	857	930	945	847	859	891	982
Tunisia	283	275	224	215	300	259	309	315	321	328	334	341	347	354
Turkey	160	10	525	739	400	367	340	492	462	487	515	552	574	616
Other	764	580	492	506	290	526	386	420	443	434	414	396	356	340
Total	58,053	55,688	68,243	63,366	61,332	61,336	71,275	74,376	76,861	79,155	81,660	84,375	87,437	90,658
Exports - Imports	5,978	2,383	(2,818)	6,921	757	2,644	0	0	0	0	0	0	0	0

¹Excludes EU-15 intratrade. ²Includes FSU intratrade.

Table 12—Barley trade projections

Crop year	1992	1993	1994	1995	1996	1992-96 avg.	1998	1999	2000	2001	2002	2003	2004	2005
<i>1,000 tons</i>														
Exporters														
United States	1,748	1,438	1,442	1,359	762	1,350	1,524	1,524	1,524	1,524	1,524	1,524	1,524	1,524
Australia	2,416	4,436	1,144	3,375	3,400	2,954	2,838	2,741	2,912	3,104	3,272	3,421	3,539	3,659
Canada	2,454	3,564	2,934	2,564	3,500	3,003	2,516	2,594	2,763	2,814	2,892	2,998	2,931	3,040
Central/East Europe	827	28	433	410	55	351	235	362	480	500	510	478	448	447
Czech Republic	71	1	132	0	0	41	0	0	0	0	0	0	0	0
Slovakia	27	0	40	0	0	13	0	0	0	0	0	0	0	0
Hungary	380	25	55	75	0	107	0	50	86	71	54	20	0	0
Poland	135	2	16	5	5	33	5	5	5	5	5	5	5	5
Other Central/East Europe	214	0	190	330	50	157	230	307	389	424	451	453	443	442
European Union-15 ¹	6,720	7,112	5,352	2,804	4,068	5,211	7,213	7,263	7,279	7,319	7,319	7,760	8,098	8,111
Former Soviet Union ²	2,210	1,031	2,264	1,000	700	1,441	1,026	1,026	1,261	1,377	1,457	1,504	1,674	1,981
Russia	100	185	1,500	300	500	517	250	412	501	562	584	571	679	851
Ukraine	180	275	190	200	100	189	323	389	460	515	573	633	695	830
Other Former Soviet Union	1,930	571	574	500	100	735	200	300	300	300	300	300	300	300
Turkey	580	534	1,022	25	750	582	339	330	321	312	304	296	288	280
Other	252	409	857	1,075	600	639	393	378	380	383	383	380	375	368
Total	17,207	18,552	15,448	12,612	13,835	15,531	15,831	16,218	16,920	17,333	17,661	18,261	18,877	19,410
Importers														
United States	248	1,556	1,434	887	871	999	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197
Algeria	400	622	296	50	25	279	231	224	217	212	208	206	204	201
Brazil	150	262	85	320	200	203	171	183	191	198	205	212	221	230
China	647	1,318	1,345	1,413	1,500	1,245	1,770	1,757	1,784	1,852	1,939	2,046	2,164	2,267
Central/East Europe	1,519	1,527	806	242	285	876	429	452	472	476	526	713	862	929
Czech Republic	34	236	0	35	25	66	44	42	18	63	83	207	290	310
Slovakia	75	45	0	0	0	24	93	99	109	109	119	157	182	193
Hungary	0	226	49	15	10	60	122	129	130	109	109	109	119	124
Poland	676	147	682	165	200	374	151	163	191	175	195	220	251	282
Other Central/East Europe	734	873	75	27	50	352	19	19	224	258	246	270	237	250
European Union-15 ¹	35	51	60	156	101	81	256	216	224	258	246	270	237	250
Former Soviet Union ²	4,592	1,464	1,656	1,400	875	1,997	1,003	993	1,042	1,051	1,043	1,066	1,113	1,122
Russia	2,270	400	584	800	300	871	188	150	150	150	150	150	150	200
Ukraine	325	0	0	0	0	65	0	100	150	150	150	150	150	200
Other Former Soviet Union	1,997	1,064	1,072	600	575	1,062	815	743	742	751	743	766	763	722
Iran	174	388	384	338	400	337	445	414	384	367	354	345	336	321
Japan	1,663	1,719	1,751	1,529	1,750	1,682	1,729	1,716	1,704	1,701	1,695	1,696	1,688	1,678
Oth. N.A. & M. East	2,618	2,636	1,907	1,255	1,915	2,066	2,125	2,141	2,154	2,201	2,255	2,328	2,399	2,453
Oth. S. America	127	263	336	348	301	275	247	250	257	261	266	269	273	275
Saudi Arabia	3,917	4,497	3,002	2,900	5,000	3,863	4,420	4,720	5,273	5,537	5,562	5,581	5,676	5,810
Taiwan	242	539	306	215	300	320	284	286	290	294	297	301	305	308
Tunisia	5	432	350	234	250	254	327	324	322	319	317	317	314	312
Turkey	55	157	53	150	100	103	469	576	636	622	737	862	1,001	1,133
Other	281	370	658	646	620	515	728	769	773	787	814	853	887	924
Total	16,673	17,801	14,429	12,083	14,493	15,096	15,831	16,218	16,920	17,333	17,661	18,261	18,877	19,410
Exports - Imports	534	752	1,019	529	(657)	435	0	0	0	0	0	0	0	0

1/ Excludes EU-15 intratrade. 2/ Includes FSU intratrade.

Table 13—Sorghum trade projections

Crop year	1992	1993	1994	1995	1996	1992-96	1998	1999	2000	2001	2002	2003	2004	2005
<i>1,000 tons</i>														
Exporters														
United States	7,041	5,120	5,657	5,025	5,715	5,712	6,731	6,985	7,239	7,239	7,366	7,620	7,874	8,001
Argentina	1,048	425	192	800	600	613	334	240	216	241	283	286	305	311
Australia	62	506	50	600	100	264	199	197	190	214	228	207	205	190
Oth. S. America	17	43	31	25	25	28	22	23	24	25	25	26	26	25
Sub-Saharan Africa	520	263	235	100	50	234	125	125	125	125	125	125	125	125
Other	718	794	358	141	160	434	105	97	94	92	89	87	85	82
Total	9,406	7,151	6,523	6,691	6,650	7,284	7,516	7,667	7,888	7,936	8,116	8,351	8,620	8,734
Importers														
Japan	3,221	2,852	2,407	2,298	3,250	2,806	2,850	2,894	2,957	2,840	2,790	2,764	2,752	2,742
Mexico	4,021	3,089	2,544	1,765	2,100	2,704	3,383	3,483	3,665	3,847	4,087	4,355	4,641	4,748
Oth. N. A. & M. East	645	81	214	433	300	335	346	367	379	389	400	411	420	431
Oth. S. America	47	52	47	100	35	56	50	47	46	47	49	50	52	56
Saudi Arabia	41	9	50	50	50	40	50	50	50	50	50	50	50	50
South Africa	6	10	13	0	0	6	2	11	9	8	7	8	8	11
South Korea	117	15	0	175	100	81	51	51	51	51	51	51	51	51
Sub-Saharan Africa	48	180	159	84	82	111	123	123	126	129	130	132	134	149
Taiwan	12	30	29	89	30	38	50	50	50	50	50	50	50	50
Thailand	0	0	36	4	0	8	0	0	0	0	0	0	0	0
Other	590	781	722	1,071	551	743	611	591	555	525	502	480	462	446
Total	8,748	7,099	6,221	6,069	6,498	6,927	7,516	7,667	7,888	7,936	8,116	8,351	8,620	8,734
Exports - Imports	658	52	302	622	152	357	0	0	0	0	0	0	0	0

For barley, much of the demand growth will occur in China, where only malting barley is imported. Growth in imports of feed barley is expected to be slowed by constrained supplies and substitution of other feeds. Canada and Australia likely will expand area of wheat, canola, and malting barley at the expense of feed barley. And the UR agreement limits on EU coarse grain exports also will limit exportable supplies of feed barley. Future responses by barley exporters to expected higher relative prices for competing crops (wheat and canola), and by barley importers to tight barley supplies, will be major factors in the outlook for coarse grain trade.

U.S. exports of coarse grains are projected to grow an average of 6.0 percent annually from 1995 to 2000, slowing to 2.5 percent from 2000 to 2005 as increased nominal prices boost foreign production and high prices for competing crops and the CRP limit U.S. area expansion. By 2000, U.S. coarse grain exports are expected to reach 74 million tons with corn exports accounting for 65 million tons. By 2005, U.S. coarse grain exports are projected to increase to 84 million tons, well above the record 71 million tons of 1979/80, with corn accounting for 74 million tons.

The U.S. share of the world coarse grain market is projected to be high, 67-70 percent throughout the projection period. Projected market share is only slightly below the 1979/80 record of 72 percent and well above the 58-percent average of 1990-95. The U.S. share of the world corn market in 2005 is projected at 82 percent, compared with the 1990-95 average of 72 percent.

Foreign coarse grain production is projected to rise through 2005, as gains in both area and yields reverse the downward trend of the 1980s and early 1990s. Projected annual coarse grain yield growth of 1.3 percent is only slightly slower than the growth achieved during 1985-95. Area growth is anticipated to be even slower, one-half percent per year, but any growth is a big change from the generally declining coarse grain area since 1980. Foreign corn and barley production, in particular, are expected to respond to higher prices after 2000. Foreign corn production is projected to rise about 2.5 percent per year during the projection period, just below the growth expected for foreign corn consumption.

Annual growth in foreign coarse grain consumption is projected at 2 percent through 2005, stronger than during the 1980's, but below the 3-percent rate of the 1970's.

Corn is expected to account for the growth, with foreign consumption projected to grow 2.6 percent annually. Most consumption growth is expected to be in China, Southeast Asia, and Latin America where livestock output and feed demand are expanding rapidly as incomes rise.

Competitors' coarse grain exports have dropped sharply since the early 1990's, as lower foreign production and sharply lower Chinese exports pulled down foreign market share from a recent high of 53 percent in 1993 to only 40 percent in 1995. Foreign coarse grain exports are projected to rise, particularly after 2000 when import demand and prices strengthen, but remain below the highs of the early 1990's.

Highlights for Major Importers

About two-thirds of global coarse grain supplies are used as animal feed, and coarse grain that is traded is primarily used as feed. Thus, population growth and higher incomes drive projected gains in coarse grain use and trade as meat consumption increases. Industrial uses, such as starch production, ethanol, and malting, are relatively small but growing. Food use of coarse grains is concentrated in parts of Latin America, Africa, and Asia, and has generally declined over time as consumers tend to increase consumption of wheat or rice as their incomes rise. However, the decline in coarse grain food use will have little effect on trade.

Imports of coarse grains for livestock feeding are projected to strengthen dramatically in the baseline, fueled by strong per capita income growth in China, Southeast Asia, Mexico, South America, the Middle East and North Africa. Korea and Taiwan are also expected to remain important importers, but import growth is projected to slow. Japan's imports are likely to wane as increasing meat imports reduce domestic demand for feed grains; but Japan is expected to remain the largest single importer of coarse grains.

Japan. Japan's coarse grain imports are expected to decline because of a contraction in feed use as meat imports increase. The projected drop in feed demand is expected to be only partially offset by rising imports of industrial-use corn in response to minimum access requirements under the UR agreement. Projected imports in 2005 are 20.3 million tons.

China. China shifted to a net corn import position in 1994/95 and coarse grain imports are expected to reach 11.4 million tons by 2005. Strong economic growth is

expected to raise meat demand. Increased corn imports will be needed for growing meat production and to keep a lid on domestic meat prices. Substantial growth in malting barley imports to produce beer is also anticipated, with barley imports reaching 2.3 million tons in 2005.

The expected emergence of China as a large and growing corn importer is the key development in the projections for U.S. and global coarse grain trade. However, the size and pace of China's future imports is very uncertain because they are dependent on policy developments and supply and demand uncertainties.

South Korea. South Korea's coarse grain imports are projected to continue growing during the decade, reflecting continued rapid income growth, a growing livestock sector, and strong feed demand. By 2005, South Korean corn imports are expected to reach 13.5 million tons, up from 6.8 million in 1996. Limited availability of competitively priced feed wheat or rye will contribute to this strengthening demand for corn.

Mexico. Mexico's coarse grain imports are projected to grow sharply, reaching 11.4 million tons by 2005, as rising incomes boost demand for meats. Corn imports are projected at 6.2 million tons and sorghum imports at 4.7 million tons in 2005. Mexico is expected to continue to allow duty-free corn imports above the NAFTA TRQ level (3.46 million tons in 2005). Sorghum imports are projected to expand rapidly between 1996 and 1998, despite gains in Mexican sorghum area under PROCAMPO. Growth in corn imports is expected to strengthen after 2000, when growth in demand will begin to outstrip production gains. Growth in corn feed use will be driven by gains in per capita income and resulting increases in meat demand and meat production. Corn food use, primarily in the form of tortillas, will be driven largely by population growth.

Taiwan. Taiwan's coarse grain imports are projected to rise to 7.3 million tons by 2005, making it the world's sixth largest importer of coarse grains, down from third largest during 1992-95. Efforts to raise domestic coarse grain production will have little impact on trade. Growth in meat production in order to keep pace with continued strong growth in meat demand will be the key factor driving coarse grain imports.

The projections do not account for the potentially significant coarse grain trade impacts of the March 1997 FMD outbreak in Taiwan, which occurred after the projections were completed.

Former Soviet Union. The FSU is responsible for most of the drop in global coarse grain trade in recent years. Coarse grain imports by the countries of the FSU are projected to rise through 2005, but be constrained by lower than historical livestock inventories, the impact of low real incomes on meat and feed demand, and limited foreign exchange and credit. FSU imports, which ranged between 11 and 28 million tons in the 1980's and early 1990's, are projected to continue flat through 1997, then respond to resumed economic growth and rise to 3.6 million tons by 2005.

The timing and extent of recovery in FSU coarse grain production and use are uncertain because they are dependent on the pace of economic and farm sector reform and on the pace of foreign direct investments. Changes in the outlook for economic growth or gains in farm productivity could alter the trade projections significantly.

Saudi Arabia. Saudi Arabia, the world's largest barley importer, is projected to be the fifth largest coarse grain importer by 2005, importing 7.6 million tons. Meanwhile, UR limits on EU barley exports will help boost corn imports to 1.7 million tons. Current Saudi policy reforms are also expected to sharply reduce producer subsidies and limit growth in barley production.

The response of barley importers, including Saudi Arabia and other North Africa and Middle East countries, to tight global supplies and rising prices relative to other feed grains is an important area of uncertainty in the coarse grain projections. Slowed growth in feed demand and more substitution of corn and other feeds is expected, but the relative size of these adjustments is difficult to assess.

Other Countries. North Africa and the Middle East, South America, Central America and the Caribbean, and Southeast Asia are just beginning to expand livestock production, following the pattern of East Asia during the 1980's. Income growth through 2005 is projected to be stronger than during the 1980's in North Africa, the Middle East, and much of Latin America. Continued strong economic growth in Southeast Asian countries, such as Malaysia, the Philippines, Indonesia, and Thailand is projected to push up meat production and feed grain demand.

Highlights for Major Exporters

Coarse grain exports are also projected to rise sharply through 2005, with corn accounting for the bulk of the gains, but also significant gains in barley. Increases in exports of sorghum and other coarse grains are expected to be relatively small. The United States, Argentina, CEE, and FSU are expected to expand corn exports, with Argentina becoming the largest competitor, as exports by China and South Africa decline. U.S. sorghum is projected to meet nearly all growth in sorghum trade, mostly by Mexico and Japan. EU barley exports are expected to be capped by UR limits on subsidized coarse grain exports. Australian barley exports grow modestly, while Canadian exports are expected to slip slightly.

Argentina. Argentina is expected to increase corn area only slightly in response to higher coarse grain prices because of increasing returns to soybeans, sunflower, and wheat. Increased input use will maintain production gains, and push corn exports to 9.9 million tons by 2005, keeping

Argentina the world's second largest exporter of coarse grains. Input prices are expected to continue to fall relative to output prices as domestic inflation eases and the government continues to support market-oriented policies. With even higher prices, additional land could be brought into production. However, major area expansion beyond the reach of existing marketing channels may require more investment in marketing infrastructure.

Central and Eastern Europe. Significant coarse grain export gains also are projected for Central and Eastern Europe in response to higher world corn and barley prices. Corn exports are projected to rise to 3.4 million tons in 2005. However, barley exports will stay about 0.5 million throughout the baseline, as it remains more profitable to grow wheat or corn for export. Despite the expected recovery in consumer incomes, growth in domestic feed demand is expected to be relatively slow as higher meat and feed prices resulting from market reforms both dampen demand for meat products and stimulate gains in feeding

CEE Net Grain Exports Projected to Rise

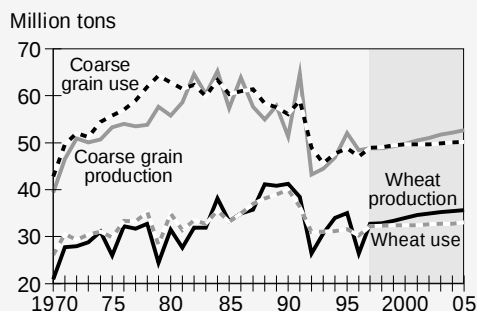
The extent to which the CEE region will emerge as a net grain exporter in a strengthening global market is a key uncertainty in the long-term outlook. The outcome will depend heavily on the continued policy reform that will enhance farm sector productivity and integration with global markets, and on the pace of growth in food and feed demand. In the baseline projections, the region is projected to emerge as a net exporter of wheat and corn as a result of strengthening global demand and modest gains in domestic production.

CEE net wheat exports are projected to rise from a 1994-96 average of about 1 million tons to about 2.8 million by 2005. All the CEE countries, except Poland, are projected to become net wheat exporters, with Hungary, the Czech Republic, and Romania showing the fastest growth. Projected wheat exports are driven by a relatively modest recovery in wheat area and yields, largely in response to improving input supplies and export prospects. Growth in domestic food demand for

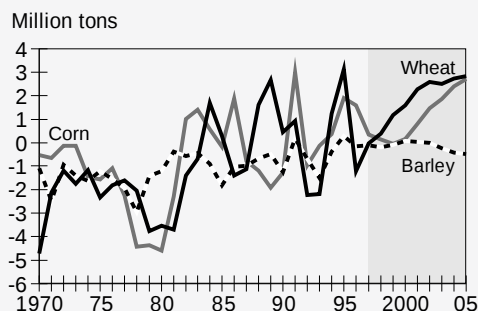
wheat is expected to remain less than demand for meats and other higher-value items.

Coarse grain exports are expected to consist primarily of corn. Net corn exports are projected to climb from the 1994-96 average of 1.3 million tons to about 2.7 million by 2005. Hungary, Romania, and the former Yugoslav Republics are expected to be the major corn exporters, while Poland, the Czech Republic, and Slovakia become feed corn importers. As with wheat, corn export growth is expected to stem from relatively modest gains in area planted and yields as input supplies and market incentives improve. Strong growth in CEE feed demand is projected, but grain feed demand is expected to grow slower than feed protein demand as protein imports rise and feeding practices are improved. Although net corn exports are projected to rise, the region is expected to remain a net barley importer as competition with wheat limits gains in barley area.

CEE: Grain production and use



CEE: Grain net exports



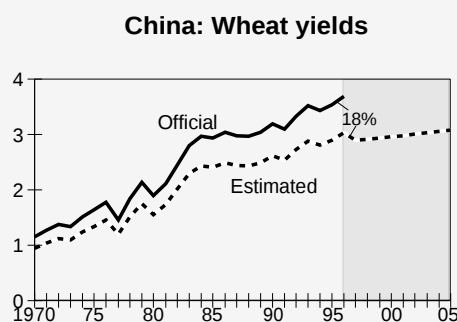
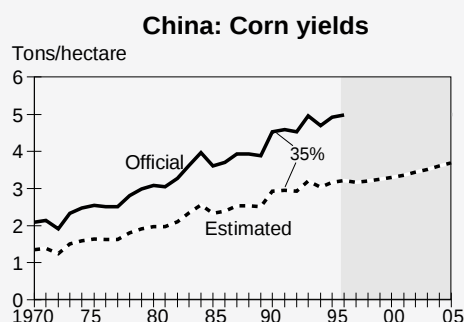
China: Official Data Overstate Actual Crop Yields

The official Chinese (and USDA) data indicate that China's yields for many crops, including wheat and corn, are high by world standards and suggest limited potential for future growth. However, evidence now suggests that yields calculated from official data are biased upward because area harvested is significantly underreported, while production estimates are believed to be accurate.

Current estimates indicate that China's total cropped area, placed at about 95 million hectares in official data, is actually closer to 140 million hectares, implying that the official data overstate actual crop yields by an average of about 25 percent. The underreporting of crop area, and upward bias in official yields, is judged to be particularly

large for corn, with actual corn yields estimated at roughly 35 percent below the official data. By comparison, the upward bias in wheat yields is judged to be about 18 percent.

Because of the acknowledged bias in the official yield estimates, the USDA projections allow for substantially more potential for gains in per hectare yields from a lower level than indicated by official data. However, official USDA data, and the data used in this report, continue to incorporate the underestimates of crop area, and overestimates of yields, in the official Chinese data. Potential revisions of the official Chinese and USDA data await the results of China's current agricultural census.



efficiency. Export growth will, however, depend on prices remaining firm because several of these countries support domestic prices at relatively high levels.

The potential for exports of corn from CEE and barley from the FSU is an important factor in the outlook. Exports from Eastern Europe are expected to emerge more rapidly than from the FSU because market reforms are more advanced and the region has a history of exporting significant amounts of coarse grains, including recent exports in response to higher world prices. While the projections incorporate the expected growth of future trade, actual exports could be significantly higher or lower depending on agricultural policy decisions as well as supply response to world market prices.

China. China's coarse grain exports are projected to decline through 2005, as strong internal corn demand limits export availabilities. As noted above, however, the rate of decline of China's corn exports is a key uncertainty in the projections.

South Africa. Exports from South Africa are already significantly less than historical levels and are projected to drop further. Corn area is expected to rise as the economy gradually strengthens, but most new production is likely to be consumed domestically as per capita income and feed demand rise.

European Union. The EU is projected to remain the world's third largest exporter of coarse grains with exports of 10.2 million tons, including 8.1 million of barley, in 2005. EU grain feed demand is expected to increase in response to lower internal grain prices. Exports reflect limits specified for EU coarse grains under the UR agreement. However, tight supplies and higher feed use are expected to hold coarse grain exports below the UR subsidized export limits during the first few years of the projection period. No unsubsidized EU exports of barley are expected, but other coarse grains may be exported without subsidy by 2005.

Although strengthening in the projections, world feed barley prices are expected to remain below the EU barley

support price and constrain EU barley exports to levels consistent with the UR limits on subsidized coarse grain exports. In addition, growth in domestic barley feeding is expected to be limited by continued growth in use of relatively low-priced domestic feed wheat. As result, the EU cropland set-aside cannot be reduced below about 12 percent during 1998-2005 without increasing barley area to the point where large barley stocks are accumulated. However, the magnitude of future area, yield, and feed demand responses in the EU to changing prices or changing policies is a key uncertainty in the coarse grain projections.

Canada. Canada's barley production is projected to show only modest growth because of area competition

with wheat and canola. But domestic barley demand is expected to show less growth, so some gains in exports are likely. Annual barley exports are projected to reach 3 million tons by 2005 primarily because of increased demand for malting barley.

Australia. Australian coarse grain output is dominated by barley. Little growth is projected for barley area because of competition from other crops, and most production gains will come from increasing yields. Exports of feed barley, are projected to decline because of limited output gains and rising domestic feed demand. However, with the rapid expansion of beer consumption in Asia, malting barley exports are likely to continue to grow.

Table 14—Coarse grains supply and use projections

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
World										
1992	322,232	2.70	869,851	87,041	94,514	841,846	249,491	45.8	553,885	163,441
1993	315,772	2.53	797,366	83,508	87,224	833,388	258,058	46.7	545,563	123,703
1994	321,100	2.71	870,950	93,099	91,810	860,407	256,356	45.7	574,191	135,535
1995	310,135	2.58	799,290	85,276	93,527	833,684	254,005	44.6	550,176	92,890
1996	316,366	2.81	887,740	85,340	87,394	869,458	259,255	44.9	578,062	109,118
1992-96 avg.	317,121	2.66	845,039	86,853	90,894	847,757	262,721	45.5	560,375	124,937
1998	318,517	2.82	899,619	98,671	98,671	896,915	267,243	45.1	598,136	116,493
1999	320,329	2.85	912,363	102,343	102,343	915,591	270,671	45.0	614,246	113,265
2000	322,448	2.89	931,283	105,879	105,879	934,989	273,100	44.8	629,423	109,559
2001	324,335	2.93	950,129	108,709	108,709	954,436	275,665	44.7	644,669	105,252
2002	326,218	2.97	970,393	111,807	111,807	972,313	278,619	44.6	658,554	103,332
2003	327,735	3.02	989,447	115,481	115,481	989,675	281,948	44.6	673,035	103,104
2004	329,454	3.06	1,008,965	119,607	119,607	1,007,412	285,127	44.6	688,012	104,657
2005	331,198	3.10	1,027,968	123,626	123,626	1,025,221	288,445	44.5	703,401	107,404
United States										
1992	38,970	7.12	277,416	1,455	51,121	198,650	43,076	166.9	153,629	63,092
1993	33,497	5.57	186,453	4,043	40,343	185,862	45,135	173.2	139,705	27,383
1994	37,591	7.58	284,886	3,394	62,425	207,900	47,862	182.0	159,263	45,338
1995	33,549	6.24	209,436	2,790	63,004	180,121	44,942	169.3	134,199	14,439
1996	38,392	6.97	267,582	2,951	54,784	200,756	46,847	174.9	152,671	29,432
1992-96 avg.	36,400	6.74	245,155	2,927	54,335	194,658	45,572	173.3	147,893	35,937
1998	38,243	7.16	273,935	2,902	68,627	208,178	51,634	189.4	156,545	43,810
1999	37,879	7.27	275,260	2,902	72,056	211,461	52,904	192.3	158,558	38,454
2000	37,960	7.37	279,723	2,902	74,215	213,729	54,174	195.3	159,556	33,134
2001	38,202	7.48	285,747	2,902	75,486	216,215	54,936	196.5	161,279	30,082
2002	38,486	7.58	291,589	2,902	76,883	218,084	55,698	197.6	162,386	29,607
2003	38,486	7.67	295,127	2,902	79,042	220,279	56,587	199.1	163,692	28,315
2004	38,486	7.76	298,738	2,902	81,201	222,184	57,349	200.1	164,836	26,570
2005	38,567	7.84	302,548	2,902	83,868	223,908	58,238	201.6	165,670	24,244
Algeria										
1992	1,411	1.13	1,597	1,500	0	3,097	70	2.6	3,027	180
1993	751	0.62	462	1,872	0	2,414	199	7.1	2,215	150
1994	362	0.67	243	1,421	0	1,664	300	10.5	1,364	150
1995	901	0.66	592	538	0	1,180	200	6.8	980	100
1996	1,101	1.27	1,402	925	0	2,327	400	13.4	1,927	101
1992-96 avg.	905	0.95	859	1,251	0	2,136	234	8.1	1,903	136
1998	1,111	0.92	1,027	1,460	0	2,482	187	6.0	2,295	130
1999	1,116	0.93	1,034	1,485	0	2,517	191	6.0	2,326	132
2000	1,123	0.93	1,046	1,508	0	2,552	196	6.1	2,356	134
2001	1,128	0.94	1,055	1,536	0	2,590	201	6.1	2,388	135
2002	1,128	0.94	1,060	1,565	0	2,624	207	6.1	2,417	137
2003	1,133	0.94	1,069	1,598	0	2,666	213	6.2	2,453	138
2004	1,137	0.95	1,078	1,632	0	2,708	218	6.2	2,490	140
2005	1,141	0.95	1,087	1,664	0	2,750	224	6.3	2,526	142
Argentina										
1992	3,840	3.67	14,079	0	6,027	7,687	1,863	55.6	5,824	1,457
1993	3,714	3.58	13,289	0	4,725	8,519	1,905	56.2	6,614	1,502
1994	3,558	3.89	13,855	8	6,317	7,661	1,820	53.1	5,841	1,387
1995	3,950	3.57	14,085	10	7,800	7,020	1,835	52.9	5,180	662
1996	4,515	3.95	17,855	10	9,450	8,125	1,785	50.9	6,330	952
1992-96 avg.	3,915	3.74	14,633	6	6,864	7,802	1,842	53.7	5,958	1,192
1998	4,080	3.93	16,039	0	7,892	8,154	1,863	52.0	6,291	845
1999	4,039	4.03	16,257	0	7,939	8,307	1,885	52.1	6,422	856
2000	4,040	4.14	16,716	0	8,338	8,360	1,904	52.0	6,456	874
2001	3,996	4.26	17,016	0	8,612	8,391	1,929	52.2	6,462	887
2002	4,037	4.37	17,629	0	9,162	8,439	1,962	52.5	6,477	915
2003	4,059	4.45	18,050	0	9,488	8,541	1,988	52.7	6,553	936
2004	4,122	4.55	18,762	0	10,056	8,671	2,016	52.9	6,655	971
2005	4,112	4.66	19,142	0	10,338	8,785	2,042	53.1	6,743	990

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
Australia										
1992	4,707	1.75	8,251	5	2,711	5,348	1,155	65.3	4,193	1,374
1993	5,027	1.96	9,842	273	5,160	5,436	1,128	63.0	4,308	893
1994	4,173	1.30	5,406	185	1,277	4,716	1,167	64.6	3,549	491
1995	5,166	1.81	9,362	45	4,285	4,952	1,199	65.7	3,653	661
1996	4,805	1.89	9,065	10	3,760	5,135	1,195	64.8	3,935	841
1992-96 avg.	4,776	1.76	8,385	104	3,439	5,117	1,169	64.7	3,928	852
1998	4,549	1.83	8,323	24	3,091	5,259	1,249	66.5	4,010	793
1999	4,503	1.86	8,381	24	2,938	5,520	1,255	66.2	4,265	740
2000	4,547	1.89	8,605	24	3,102	5,513	1,261	66.0	4,252	754
2001	4,655	1.92	8,944	24	3,318	5,659	1,267	65.8	4,392	745
2002	4,736	1.95	9,237	24	3,543	5,738	1,274	65.6	4,464	725
2003	4,764	1.98	9,446	24	3,698	5,768	1,280	65.4	4,488	729
2004	4,836	2.01	9,741	24	3,844	5,930	1,286	65.2	4,644	720
2005	4,903	2.05	10,030	24	3,960	6,104	1,293	65.1	4,811	710
Brazil										
1992	12,825	2.33	29,856	1,387	0	31,023	4,018	25.6	27,005	3,616
1993	14,247	2.37	33,760	1,591	0	34,361	5,626	35.4	28,735	4,606
1994	14,744	2.59	38,216	1,507	0	37,054	5,556	34.6	31,498	7,275
1995	14,332	2.32	33,236	645	110	37,831	5,606	34.5	32,205	3,215
1996	14,605	2.38	34,830	725	200	37,635	5,605	34.1	31,975	935
1992-96 avg.	14,151	2.40	33,980	1,171	62	35,581	5,282	32.8	30,284	3,929
1998	15,090	2.49	37,505	1,937	0	39,386	5,413	32.2	33,973	1,597
1999	14,983	2.52	37,792	2,080	0	39,864	5,286	31.2	34,578	1,605
2000	15,242	2.60	39,581	2,217	0	41,724	5,293	30.9	36,431	1,679
2001	15,373	2.66	40,856	2,265	0	43,071	5,279	30.6	37,792	1,729
2002	15,505	2.72	42,195	2,347	0	44,485	5,269	30.3	39,216	1,786
2003	15,568	2.78	43,318	2,433	0	45,705	5,262	30.0	40,443	1,832
2004	15,623	2.85	44,508	2,577	0	47,035	5,238	29.6	41,796	1,882
2005	15,740	2.92	45,887	2,723	0	48,551	5,192	29.1	43,359	1,941
Canada										
1992	6,234	3.15	19,626	1,260	3,626	16,838	2,449	88.1	14,389	5,291
1993	6,897	3.49	24,041	554	5,387	19,428	2,653	94.2	16,775	5,071
1994	6,955	3.36	23,394	931	4,705	21,395	2,706	94.9	18,688	3,296
1995	6,967	3.46	24,122	871	4,164	21,154	2,525	87.6	18,582	2,971
1996	8,030	3.53	28,357	760	5,575	21,658	2,575	88.4	19,070	4,855
1992-96 avg.	7,017	3.41	23,908	875	4,691	20,095	2,582	90.6	17,501	4,297
1998	7,458	3.41	25,409	1,079	4,366	22,224	2,699	90.9	19,524	4,276
1999	7,654	3.39	25,984	1,161	4,507	22,563	2,711	90.4	19,852	4,351
2000	7,718	3.40	26,207	1,249	4,683	22,739	2,749	90.8	19,990	4,385
2001	7,728	3.41	26,391	1,307	4,789	22,883	2,776	90.9	20,106	4,411
2002	7,752	3.44	26,666	1,370	4,930	23,070	2,793	90.7	20,276	4,447
2003	7,719	3.46	26,707	1,422	4,952	23,164	2,804	90.3	20,360	4,460
2004	7,740	3.47	26,840	1,501	5,022	23,295	2,818	90.0	20,477	4,484
2005	7,869	3.47	27,288	1,569	5,248	23,555	2,840	90.0	20,714	4,538
Central America & Caribbean										
1992	2,602	1.46	3,796	1,688	20	5,449	2,783	42.3	2,666	336
1993	2,600	1.42	3,695	1,776	3	5,489	2,752	41.1	2,736	315
1994	2,525	1.28	3,241	2,213	16	5,504	2,872	42.2	2,611	249
1995	2,604	1.48	3,851	2,037	5	5,880	2,963	42.8	2,821	252
1996	2,600	1.45	3,775	2,025	0	5,805	2,925	41.5	2,725	247
1992-96 avg.	2,586	1.42	3,672	1,948	9	5,625	2,859	42.0	2,712	280
1998	2,673	1.39	3,723	2,212	0	5,933	3,041	41.8	2,892	240
1999	2,692	1.40	3,763	2,260	0	6,020	3,045	41.3	2,975	243
2000	2,711	1.41	3,809	2,325	0	6,131	3,096	41.3	3,035	247
2001	2,731	1.41	3,849	2,359	0	6,206	3,091	40.6	3,115	249
2002	2,750	1.41	3,877	2,413	0	6,287	3,063	39.7	3,224	252
2003	2,770	1.41	3,917	2,455	0	6,369	3,067	39.2	3,302	255
2004	2,790	1.42	3,957	2,527	0	6,480	3,099	39.0	3,381	258
2005	2,810	1.42	3,996	2,598	0	6,590	3,122	38.7	3,468	262

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Ending stocks	
						Total	Food	Food/cap		Feed
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
Central & Eastern Europe										
1992	16,831	2.57	43,234	3,715	1,550	48,935	9,026	74.5	38,833	3,880
1993	16,688	2.66	44,465	1,959	364	45,677	9,213	76.3	34,463	4,265
1994	16,735	2.80	46,852	1,242	1,237	47,690	8,477	70.4	37,309	3,432
1995	16,308	3.19	52,037	619	2,810	48,889	8,900	74.0	37,967	4,389
1996	16,207	3.05	49,381	630	1,750	48,321	8,984	74.8	37,484	4,329
1992-96 avg.	16,554	2.85	47,194	1,633	1,542	47,902	8,920	74.0	37,211	4,059
1998	16,399	3.02	49,529	1,075	898	49,672	8,944	74.5	38,732	4,114
1999	16,502	3.04	50,193	1,182	959	50,361	8,988	74.7	39,370	4,169
2000	16,588	3.09	51,208	1,145	1,302	50,991	9,069	75.1	39,902	4,229
2001	16,577	3.12	51,785	1,257	1,986	51,036	9,158	75.7	39,845	4,249
2002	16,501	3.15	51,906	1,358	2,669	50,613	9,249	76.2	39,316	4,231
2003	16,413	3.18	52,266	1,572	3,028	50,801	9,334	76.8	39,407	4,240
2004	16,366	3.22	52,728	1,780	3,547	50,960	9,402	77.2	39,474	4,241
2005	16,355	3.26	53,239	1,909	3,882	51,247	9,441	77.4	39,709	4,260
China										
1992	26,273	4.16	109,305	647	13,014	100,617	34,270	29.2	65,210	29,007
1993	25,757	4.55	117,178	1,318	12,041	108,703	36,929	31.1	70,671	26,759
1994	26,089	4.38	114,291	6,381	1,601	117,078	34,944	29.2	81,341	28,752
1995	27,329	4.56	124,504	2,989	258	124,283	35,826	29.6	88,083	31,704
1996	28,035	4.65	130,350	1,600	1,050	131,090	35,980	29.5	94,060	31,514
1992-96 avg.	26,697	4.46	119,126	2,587	5,593	116,354	35,590	29.7	79,873	29,547
1998	28,679	4.62	132,358	5,298	411	137,309	34,535	27.8	102,774	28,893
1999	29,171	4.68	136,637	5,664	375	141,606	34,171	27.3	107,435	29,213
2000	29,842	4.76	142,162	6,267	348	147,466	33,851	26.8	113,611	29,828
2001	30,557	4.86	148,439	6,870	331	154,216	33,530	26.4	120,686	30,590
2002	31,133	4.97	154,627	7,769	316	161,293	33,244	26.0	128,047	31,377
2003	31,641	5.09	160,985	8,716	307	168,600	32,944	25.5	135,656	32,171
2004	32,095	5.21	167,304	10,018	297	176,216	32,654	25.1	143,561	32,980
2005	32,506	5.33	173,402	11,442	288	183,798	32,340	24.8	151,458	33,738
Czech Republic										
1992	801	3.83	3,065	121	91	3,172	780	75.6	2,392	591
1993	819	3.86	3,161	284	14	3,366	995	96.3	2,371	656
1994	863	3.72	3,211	25	160	3,222	1,005	97.3	2,217	510
1995	724	3.73	2,702	60	5	2,980	1,060	102.7	1,920	287
1996	805	3.55	2,855	50	0	2,930	1,000	96.9	1,930	262
1992-96 avg.	802	3.74	2,999	108	54	3,134	968	93.8	2,166	461
1998	837	3.74	3,131	120	0	3,251	1,010	97.7	2,241	372
1999	846	3.72	3,145	127	0	3,272	1,016	98.1	2,256	372
2000	846	3.70	3,132	116	0	3,248	1,022	98.4	2,226	372
2001	833	3.68	3,066	180	0	3,246	1,028	98.8	2,218	372
2002	814	3.65	2,969	223	0	3,192	1,034	99.2	2,158	372
2003	805	3.63	2,919	355	0	3,274	1,039	99.6	2,235	372
2004	803	3.60	2,893	456	0	3,349	1,044	99.9	2,305	372
2005	807	3.58	2,887	498	0	3,385	1,049	100.3	2,336	372
EU-15										
1992	20,376	4.44	90,443	1,940	10,307	82,443	5,613	15.2	59,924	20,729
1993	18,919	4.89	92,429	2,856	10,381	87,625	5,893	15.9	65,341	18,008
1994	18,698	4.62	86,455	3,934	8,074	88,439	6,327	17.0	64,870	11,884
1995	18,439	4.78	88,218	3,979	5,150	89,347	6,040	16.1	67,177	9,584
1996	19,707	5.28	104,014	2,895	6,800	95,958	5,877	15.6	72,207	13,735
1992-96 avg.	19,228	4.80	92,312	3,121	8,142	88,762	5,950	16.0	65,904	14,788
1998	19,138	5.01	95,941	2,903	9,113	92,732	5,953	15.8	69,397	12,321
1999	19,410	5.06	98,226	2,866	9,184	94,449	5,996	15.8	70,820	9,780
2000	19,782	5.10	100,907	2,824	9,258	94,475	6,034	15.9	70,628	9,778
2001	19,681	5.15	101,322	2,858	9,198	94,942	6,071	15.9	70,848	9,818
2002	19,580	5.20	101,756	2,846	9,166	95,394	6,109	15.9	71,040	9,860
2003	19,539	5.25	102,611	2,870	9,520	95,922	6,138	16.0	71,319	9,899
2004	19,463	5.30	103,248	2,837	10,044	96,049	6,168	16.0	71,172	9,891
2005	19,284	5.36	103,412	2,850	10,220	96,063	6,196	16.1	70,894	9,870

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
Egypt										
1992	935	5.65	5,285	1,757	0	7,042	1,116	18.6	5,926	100
1993	1,007	5.84	5,885	2,211	0	7,951	1,593	26.0	6,335	245
1994	1,105	5.95	6,580	2,613	0	8,893	1,894	30.4	6,985	545
1995	1,085	6.14	6,663	2,267	0	9,142	1,975	31.1	7,167	333
1996	1,095	6.14	6,720	2,900	0	9,670	2,020	31.2	7,650	283
1992-96 avg.	1,045	5.96	6,227	2,350	0	8,540	1,720	27.5	6,813	301
1998	1,123	6.31	7,087	3,053	0	10,125	2,059	30.6	8,066	513
1999	1,127	6.40	7,215	3,076	0	10,284	1,928	28.2	8,355	520
2000	1,131	6.48	7,334	3,099	0	10,426	1,927	27.7	8,499	527
2001	1,137	6.58	7,476	3,123	0	10,591	1,852	26.1	8,738	535
2002	1,147	6.67	7,654	3,223	0	10,864	1,892	26.2	8,971	548
2003	1,154	6.76	7,804	3,323	0	11,115	1,923	26.2	9,191	560
2004	1,160	6.86	7,958	3,423	0	11,368	1,953	26.2	9,414	573
2005	1,167	6.95	8,115	3,522	0	11,625	1,984	26.2	9,639	585
Former Soviet Union										
1992	53,046	1.80	95,286	12,224	2,880	101,941	24,221	82.9	77,720	10,493
1993	53,687	1.78	95,587	6,099	1,491	97,054	23,815	81.4	73,239	13,634
1994	50,431	1.62	81,827	2,794	2,683	83,115	22,725	77.7	60,334	12,457
1995	45,097	1.32	59,687	2,375	1,425	66,714	20,185	68.9	46,407	6,380
1996	40,286	1.37	55,303	1,805	1,150	57,992	20,342	69.4	37,650	4,496
1992-96 avg.	48,509	1.60	77,538	5,059	1,926	81,363	22,258	76.1	59,070	9,492
1998	41,407	1.61	66,554	1,852	1,891	66,755	21,555	73.3	41,401	5,357
1999	41,588	1.63	67,909	2,542	2,232	68,295	21,910	74.3	42,510	5,281
2000	41,631	1.66	69,184	2,982	2,611	69,689	22,131	74.7	43,611	5,147
2001	41,604	1.69	70,199	3,182	3,002	70,421	22,299	75.0	44,120	5,105
2002	41,490	1.71	70,889	3,214	3,185	70,978	22,482	75.4	44,455	5,045
2003	41,327	1.73	71,547	3,275	3,517	71,368	22,666	75.7	44,626	4,982
2004	41,326	1.75	72,447	3,444	3,691	72,229	22,916	76.2	45,187	4,953
2005	41,518	1.77	73,663	3,558	3,933	73,289	23,234	76.9	45,864	4,952
Hungary										
1992	1,759	3.57	6,273	0	602	6,641	991	97.1	5,650	630
1993	1,640	3.26	5,352	253	43	5,771	591	58.3	5,180	421
1994	1,763	3.52	6,200	59	425	5,854	635	63.0	5,219	401
1995	1,563	4.04	6,308	25	575	5,800	640	64.0	5,160	359
1996	1,543	4.35	6,710	20	500	6,195	565	56.9	5,630	394
1992-96 avg.	1,654	3.73	6,169	71	429	6,052	684	67.9	5,368	441
1998	1,574	3.84	6,048	122	79	6,091	588	59.8	5,503	294
1999	1,592	3.87	6,158	129	76	6,211	601	61.3	5,610	294
2000	1,595	3.91	6,230	112	87	6,255	612	62.6	5,643	294
2001	1,577	3.93	6,194	109	199	6,104	627	64.4	5,477	294
2002	1,546	3.94	6,085	109	304	5,890	649	66.8	5,241	294
2003	1,546	3.96	6,124	109	374	5,859	665	68.7	5,194	294
2004	1,546	3.98	6,156	119	437	5,838	681	70.6	5,157	294
2005	1,556	4.00	6,229	124	518	5,835	699	72.7	5,136	294
Indonesia										
1992	3,050	1.85	5,650	357	81	5,900	3,100	15.7	2,800	189
1993	2,950	1.83	5,400	962	35	6,151	3,101	15.5	3,050	365
1994	3,652	1.67	6,100	1,738	56	7,047	3,000	14.7	4,047	1,100
1995	3,531	1.70	6,000	734	30	7,204	3,200	15.5	4,004	600
1996	3,550	1.86	6,600	750	0	7,400	3,250	15.5	4,150	550
1992-96 avg.	3,347	1.78	5,950	908	40	6,740	3,130	15.4	3,610	561
1998	3,008	1.78	5,365	2,500	0	7,860	3,066	14.2	4,794	145
1999	3,018	1.78	5,386	2,750	0	8,131	3,020	13.8	5,111	150
2000	3,038	1.79	5,423	3,000	0	8,418	3,001	13.5	5,417	155
2001	3,053	1.79	5,456	3,250	0	8,701	2,972	13.2	5,729	160
2002	3,066	1.79	5,484	3,500	0	8,979	2,940	12.9	6,039	165
2003	3,075	1.79	5,509	3,750	0	9,254	2,851	12.3	6,403	170
2004	3,082	1.79	5,532	4,000	0	9,527	2,701	11.5	6,826	175
2005	3,090	1.80	5,556	4,250	0	9,800	2,533	10.6	7,267	181

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
						1,000 ha	Tons/ha	----- 1,000 tons -----		
Iran										
1992	2,655	1.42	3,770	1,334	0	4,904	1,339	21.6	3,565	1,135
1993	2,655	1.54	4,085	891	0	5,211	1,446	22.9	3,765	1,100
1994	2,660	1.42	3,790	1,476	0	5,224	1,490	23.1	3,670	942
1995	2,660	1.42	3,790	1,619	0	5,589	1,475	22.3	4,064	762
1996	2,560	1.44	3,690	1,650	0	5,595	1,485	22.0	4,070	507
1992-96 avg.	2,638	1.45	3,825	1,394	0	5,305	1,447	22.4	3,827	889
1998	2,684	1.49	3,989	1,558	0	5,592	1,318	18.7	4,274	369
1999	2,708	1.49	4,043	1,546	0	5,527	1,328	18.5	4,199	431
2000	2,738	1.50	4,103	1,525	0	5,535	1,339	18.2	4,196	524
2001	2,758	1.50	4,149	1,519	0	5,569	1,352	18.0	4,217	623
2002	2,765	1.51	4,176	1,515	0	5,593	1,363	17.7	4,230	721
2003	2,787	1.52	4,225	1,517	0	5,626	1,371	17.5	4,255	837
2004	2,809	1.52	4,274	1,518	0	5,643	1,377	17.2	4,266	986
2005	2,829	1.53	4,323	1,515	0	5,659	1,381	16.9	4,278	1,165
Iraq										
1992	1,429	1.10	1,569	1	0	1,570	715	37.3	855	0
1993	1,539	1.10	1,689	10	0	1,699	707	35.5	992	0
1994	1,499	1.07	1,609	1	0	1,610	675	32.7	935	0
1995	1,499	1.07	1,609	2	0	1,611	676	31.6	935	0
1996	1,449	1.01	1,459	0	0	1,459	674	30.3	785	0
1992-96 avg.	1,483	1.07	1,587	3	0	1,590	689	33.5	900	0
1998	1,596	1.13	1,802	419	0	2,131	797	33.4	1,334	187
1999	1,627	1.14	1,853	421	0	2,204	828	33.5	1,376	257
2000	1,640	1.15	1,886	456	0	2,284	859	33.5	1,425	315
2001	1,646	1.16	1,910	471	0	2,354	900	34.0	1,454	342
2002	1,648	1.17	1,930	499	0	2,440	936	34.1	1,504	331
2003	1,661	1.18	1,963	534	0	2,520	973	34.3	1,547	308
2004	1,686	1.20	2,019	575	0	2,608	1,011	34.4	1,597	294
2005	1,720	1.21	2,087	614	0	2,682	1,050	34.6	1,632	313
Japan										
1992	87	3.34	291	22,103	0	22,468	252	2.0	18,186	2,879
1993	77	3.58	276	21,213	0	21,914	338	2.7	17,830	2,454
1994	65	3.54	230	21,174	0	21,658	334	2.7	17,550	2,200
1995	63	3.56	224	20,363	0	20,700	358	2.9	16,638	2,087
1996	59	4.00	236	21,020	0	21,343	212	1.7	17,236	2,000
1992-96 avg.	70	3.58	251	21,175	0	21,617	299	2.4	17,488	2,324
1998	48	3.56	171	21,068	0	21,241	212	1.7	16,926	2,453
1999	50	3.54	177	21,053	0	21,252	212	1.7	16,757	2,431
2000	51	3.59	183	21,073	0	21,266	212	1.7	16,566	2,421
2001	52	3.58	186	20,956	0	21,146	212	1.7	16,420	2,417
2002	52	3.63	189	20,773	0	20,973	212	1.7	16,291	2,406
2003	53	3.64	193	20,614	0	20,822	212	1.7	16,132	2,391
2004	54	3.63	196	20,472	0	20,680	212	1.7	15,997	2,379
2005	54	3.70	200	20,317	0	20,529	212	1.7	15,846	2,367
Malaysia										
1992	21	1.71	36	1,957	0	1,960	95	5.1	1,865	175
1993	20	1.90	38	1,977	0	2,030	110	5.7	1,920	160
1994	20	2.00	40	2,415	0	2,315	75	3.8	2,240	300
1995	23	1.87	43	2,343	0	2,536	80	4.0	2,456	150
1996	25	1.80	45	2,600	0	2,600	90	4.4	2,510	195
1992-96 avg.	22	1.85	40	2,258	0	2,288	90	4.6	2,198	196
1998	26	1.91	49	2,849	0	2,889	127	6.0	2,762	209
1999	26	1.92	50	2,974	0	3,015	130	6.0	2,885	218
2000	27	1.93	52	3,105	0	3,147	132	6.0	3,015	228
2001	27	1.94	53	3,246	0	3,289	135	6.0	3,154	238
2002	28	1.95	55	3,393	0	3,437	138	6.0	3,300	249
2003	29	1.96	56	3,547	0	3,592	140	6.0	3,452	260
2004	30	1.97	58	3,708	0	3,754	143	6.1	3,611	272
2005	30	1.98	60	3,874	0	3,922	146	6.1	3,776	284

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
						1,000 ha	Tons/ha	----- 1,000 tons -----		
Mexico										
1992	8,906	2.50	22,269	4,511	6	26,530	15,331	169.6	11,149	2,236
1993	9,939	2.28	22,709	4,872	113	27,426	15,404	167.1	12,022	2,278
1994	9,372	2.20	20,605	5,832	71	26,616	14,897	158.5	11,719	2,028
1995	9,833	2.43	23,848	8,462	50	30,857	15,510	161.9	15,320	3,431
1996	10,500	2.43	25,500	5,960	50	32,585	15,635	160.3	16,745	2,256
1992-96 avg.	9,710	2.37	22,986	5,927	58	28,803	15,355	163.5	13,391	2,446
1998	9,367	2.55	23,930	7,927	0	31,790	16,081	159.0	15,709	1,903
1999	9,331	2.62	24,470	8,187	0	32,636	16,277	158.2	16,359	1,924
2000	9,314	2.66	24,761	8,406	0	33,146	16,099	153.8	17,047	1,945
2001	9,323	2.69	25,073	8,793	0	33,844	16,117	151.4	17,727	1,967
2002	9,341	2.72	25,450	9,332	0	34,758	16,283	150.5	18,475	1,991
2003	9,361	2.77	25,905	10,212	0	36,091	16,829	153.1	19,262	2,017
2004	9,381	2.82	26,416	10,940	0	37,328	17,243	154.4	20,085	2,045
2005	9,401	2.87	26,961	11,409	0	38,350	17,587	155.1	20,763	2,065
Morocco										
1992	2,763	0.49	1,341	965	0	2,503	1,259	45.0	1,244	727
1993	2,526	0.46	1,155	627	0	2,415	1,119	39.2	1,296	94
1994	2,982	1.33	3,967	762	0	3,448	1,412	48.4	2,036	1,375
1995	1,805	0.54	980	508	0	2,753	1,365	45.8	1,388	110
1996	2,945	1.42	4,190	475	0	3,450	1,510	49.7	1,940	1,325
1992-96 avg.	2,604	0.89	2,327	667	0	2,914	1,333	45.6	1,581	726
1998	2,562	0.94	2,414	549	0	2,956	1,382	43.7	1,574	1,033
1999	2,590	0.95	2,466	543	0	2,998	1,409	43.7	1,589	1,044
2000	2,622	0.96	2,522	559	0	3,061	1,436	43.7	1,625	1,064
2001	2,650	0.97	2,575	567	0	3,123	1,468	43.9	1,655	1,083
2002	2,672	0.98	2,624	582	0	3,187	1,501	44.0	1,686	1,102
2003	2,701	0.99	2,681	593	0	3,254	1,527	44.0	1,727	1,122
2004	2,730	1.00	2,738	608	0	3,325	1,556	44.1	1,769	1,143
2005	2,758	1.01	2,797	615	0	3,392	1,587	44.2	1,805	1,163
Pakistan										
1992	1,782	0.93	1,658	0	0	1,658	1,163	9.6	495	0
1993	1,853	0.95	1,763	0	0	1,763	1,248	10.1	515	0
1994	1,865	1.01	1,878	0	0	1,878	1,323	10.5	555	0
1995	1,835	1.00	1,835	0	0	1,835	1,325	10.3	510	0
1996	1,880	0.99	1,860	0	0	1,860	1,330	10.1	530	0
1992-96 avg.	1,843	0.98	1,799	0	0	1,799	1,278	10.1	521	0
1998	1,909	1.02	1,940	3	0	1,944	1,319	9.6	625	0
1999	1,919	1.03	1,977	12	0	1,989	1,313	9.3	676	0
2000	1,926	1.04	2,010	19	0	2,029	1,301	9.0	728	0
2001	1,936	1.06	2,048	28	0	2,076	1,293	8.8	783	0
2002	1,947	1.07	2,089	31	0	2,120	1,280	8.5	840	0
2003	1,957	1.09	2,128	43	0	2,171	1,272	8.3	899	0
2004	1,963	1.10	2,162	63	0	2,225	1,265	8.1	960	0
2005	1,967	1.12	2,194	89	0	2,283	1,258	7.9	1,024	0
Philippines										
1992	3,330	1.44	4,810	0	0	4,730	1,730	24.8	3,000	220
1993	3,100	1.62	5,030	1	0	5,076	2,266	31.8	2,810	175
1994	2,967	1.53	4,534	136	0	4,700	1,800	24.8	2,900	145
1995	2,760	1.57	4,324	516	0	4,890	1,800	24.3	3,090	95
1996	2,700	1.59	4,300	750	0	5,000	1,800	23.6	3,200	145
1992-96 avg.	2,971	1.55	4,600	281	0	4,879	1,879	25.9	3,000	156
1998	2,798	1.58	4,432	663	0	5,082	1,703	21.5	3,379	128
1999	2,805	1.63	4,560	751	0	5,306	1,714	21.2	3,592	133
2000	2,823	1.67	4,701	889	0	5,583	1,720	20.8	3,863	140
2001	2,836	1.70	4,829	1,001	0	5,824	1,729	20.5	4,095	145
2002	2,852	1.73	4,939	1,114	0	6,048	1,747	20.4	4,301	151
2003	2,859	1.77	5,058	1,158	0	6,212	1,756	20.1	4,456	154
2004	2,868	1.81	5,190	1,231	0	6,416	1,766	19.8	4,650	159
2005	2,883	1.86	5,348	1,295	0	6,638	1,773	19.5	4,865	165

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
						1,000 ha	Tons/ha	----- 1,000 tons -----		
Poland										
1992	5,916	2.13	12,594	2,250	189	14,688	2,165	56.3	10,844	737
1993	6,037	2.52	15,240	329	62	14,770	2,242	58.2	10,590	1,476
1994	6,079	2.32	14,115	884	16	15,752	2,413	62.5	11,430	707
1995	6,170	2.79	17,243	447	105	16,902	2,607	67.5	12,277	1,390
1996	6,160	2.68	16,485	400	5	16,985	2,768	71.5	12,295	1,285
1992-96 avg.	6,072	2.49	15,135	862	75	15,819	2,439	63.2	11,487	1,119
1998	6,103	2.62	15,969	567	25	16,518	2,823	72.6	11,700	833
1999	6,112	2.62	16,040	592	25	16,603	2,852	73.1	11,747	837
2000	6,115	2.64	16,157	606	25	16,732	2,879	73.5	11,833	843
2001	6,108	2.66	16,241	630	25	16,840	2,907	74.0	11,900	849
2002	6,106	2.67	16,302	667	25	16,939	2,937	74.4	11,956	854
2003	6,093	2.69	16,365	707	25	17,042	2,965	74.9	12,016	859
2004	6,112	2.70	16,530	762	25	17,254	2,994	75.3	12,177	872
2005	6,112	2.71	16,568	818	25	17,356	3,025	75.8	12,235	877
Russia										
1992	33,363	1.67	55,787	7,185	400	60,680	15,100	101.7	45,580	6,034
1993	32,138	1.59	51,222	3,700	475	54,496	14,800	99.8	39,696	5,985
1994	30,151	1.50	45,100	809	1,778	43,877	14,501	97.8	29,376	6,239
1995	27,212	1.13	30,700	1,050	400	36,052	12,516	84.5	23,460	1,537
1996	24,950	1.27	31,800	600	700	32,200	12,611	85.2	19,340	1,037
1992-96 avg.	29,563	1.45	42,922	2,669	751	45,461	13,906	93.8	31,490	4,166
1998	25,725	1.43	36,826	338	663	36,452	13,460	91.1	20,739	2,336
1999	25,862	1.46	37,735	491	910	37,336	13,698	92.6	21,329	2,316
2000	25,881	1.49	38,443	598	949	38,114	13,838	93.4	21,923	2,294
2001	25,867	1.51	38,986	607	1,153	38,478	13,948	94.1	22,142	2,256
2002	25,813	1.52	39,338	590	1,191	38,785	14,073	94.8	22,303	2,208
2003	25,707	1.54	39,600	564	1,282	38,931	14,186	95.4	22,319	2,159
2004	25,705	1.56	39,980	615	1,289	39,343	14,332	96.2	22,563	2,122
2005	25,827	1.57	40,523	600	1,342	39,808	14,511	97.3	22,818	2,095
Saudi Arabia										
1992	243	2.65	645	4,802	0	7,094	211	12.1	6,883	3,285
1993	362	3.73	1,349	5,579	0	7,231	202	11.2	7,029	2,982
1994	520	4.38	2,279	3,985	0	7,012	204	10.9	6,808	2,215
1995	391	3.72	1,454	3,874	0	6,128	204	10.5	5,924	1,364
1996	261	2.51	654	6,150	0	6,604	204	10.2	6,400	1,509
1992-96 avg.	355	3.59	1,276	4,878	0	6,814	205	11.0	6,609	2,271
1998	326	3.39	1,105	5,715	0	7,185	218	10.1	6,967	933
1999	330	3.42	1,127	6,114	0	7,393	226	10.2	7,167	781
2000	336	3.44	1,157	6,710	0	7,580	237	10.3	7,343	1,068
2001	340	3.47	1,177	7,031	0	7,699	245	10.3	7,455	1,577
2002	346	3.48	1,204	7,120	0	7,991	247	10.0	7,744	1,910
2003	355	3.51	1,245	7,212	0	8,378	255	10.0	8,123	1,989
2004	368	3.52	1,295	7,385	0	8,689	263	10.0	8,426	1,980
2005	384	3.52	1,351	7,604	0	9,022	271	9.9	8,751	1,913
Slovakia										
1992	442	4.00	1,769	131	57	2,082	795	149.5	1,287	321
1993	431	3.72	1,602	47	44	1,644	454	85.0	1,190	282
1994	412	3.75	1,544	0	99	1,532	387	72.2	1,144	195
1995	462	3.29	1,521	0	45	1,485	407	75.7	1,078	186
1996	415	3.81	1,580	0	45	1,510	432	80.1	1,078	211
1992-96 avg.	432	3.71	1,603	36	58	1,651	495	92.5	1,155	239
1998	395	4.02	1,589	120	3	1,701	458	84.2	1,243	313
1999	391	4.03	1,575	149	0	1,725	465	85.0	1,259	313
2000	390	4.04	1,573	163	0	1,735	473	85.9	1,262	314
2001	387	4.04	1,564	190	0	1,749	480	86.7	1,269	319
2002	386	4.03	1,557	211	0	1,761	488	87.7	1,273	326
2003	382	4.04	1,543	252	0	1,791	496	88.6	1,295	330
2004	382	4.03	1,541	294	0	1,828	504	89.6	1,325	337
2005	379	4.04	1,529	320	0	1,849	512	90.5	1,338	337

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
						1,000 ha	Tons/ha	----- 1,000 tons -----		
South Africa										
1992	4,823	2.22	10,731	6	1,200	8,350	4,004	101.0	4,346	1,687
1993	4,994	2.80	13,990	54	4,450	8,871	4,774	118.5	4,097	2,400
1994	3,935	1.37	5,400	633	176	7,357	3,934	96.0	3,423	900
1995	4,317	2.54	10,986	10	2,025	8,671	4,251	101.8	4,420	1,200
1996	4,382	2.07	9,088	50	1,000	8,488	4,268	100.5	4,220	850
1992-96 avg.	4,490	2.24	10,039	151	1,770	8,347	4,246	103.6	4,101	1,407
1998	4,341	2.35	10,202	495	781	9,868	5,332	121.7	4,536	907
1999	4,379	2.36	10,336	417	585	10,143	5,486	123.4	4,657	932
2000	4,425	2.37	10,490	260	468	10,270	5,542	123.0	4,728	944
2001	4,461	2.38	10,621	206	445	10,372	5,601	122.7	4,771	954
2002	4,485	2.39	10,730	156	423	10,456	5,581	120.8	4,875	961
2003	4,525	2.40	10,880	135	412	10,592	5,554	118.9	5,038	972
2004	4,556	2.42	11,006	127	402	10,720	5,568	118.0	5,152	983
2005	4,586	2.43	11,128	166	398	10,882	5,593	117.4	5,289	997
South Korea										
1992	129	4.08	526	6,716	0	7,276	483	11.1	5,142	580
1993	125	3.90	487	5,778	0	6,282	471	10.7	4,008	563
1994	127	3.81	484	8,966	0	9,148	465	10.4	6,882	865
1995	123	3.90	480	10,150	0	10,743	460	10.2	8,578	752
1996	122	3.89	475	8,950	0	9,455	476	10.5	7,279	722
1992-96 avg.	125	3.92	490	8,112	0	8,581	471	10.6	6,378	696
1998	113	4.04	456	10,726	0	11,066	466	10.0	8,832	946
1999	111	4.05	450	11,278	0	11,659	461	9.8	9,411	1,015
2000	109	4.06	443	11,818	0	12,206	456	9.6	9,942	1,070
2001	107	4.08	437	12,256	0	12,651	451	9.4	10,369	1,112
2002	105	4.10	431	12,748	0	13,135	446	9.2	10,828	1,156
2003	103	4.13	425	13,143	0	13,533	441	9.1	11,210	1,191
2004	101	4.15	419	13,497	0	13,885	436	8.9	11,547	1,222
2005	99	4.17	413	13,822	0	14,207	432	8.7	11,855	1,250
Sub-Saharan Africa										
1992	53,404	0.94	50,085	1,769	777	49,705	48,391	95.1	1,219	4,092
1993	52,942	0.93	49,335	2,090	998	52,399	51,037	97.3	1,268	2,120
1994	57,739	0.91	52,748	2,124	551	54,196	52,803	97.8	1,225	2,245
1995	57,675	0.98	56,316	1,088	825	56,629	55,095	99.0	1,369	2,195
1996	57,521	0.96	54,987	1,832	150	57,344	54,689	95.5	1,270	1,520
1992-96 avg.	55,856	0.94	52,694	1,781	660	54,055	52,403	96.9	1,270	2,434
1998	58,601	0.99	58,136	1,713	650	59,110	57,697	95.2	1,413	2,232
1999	59,383	1.01	59,830	1,619	650	60,738	59,305	95.2	1,416	2,292
2000	59,856	1.02	60,949	1,678	650	61,938	60,502	94.5	1,414	2,330
2001	60,585	1.03	62,540	1,687	650	63,519	62,074	94.3	1,416	2,387
2002	61,329	1.05	64,209	1,728	650	65,224	63,767	94.3	1,420	2,449
2003	62,170	1.06	66,003	1,731	650	67,016	65,549	94.4	1,422	2,516
2004	62,897	1.07	67,602	1,658	650	68,553	67,076	94.1	1,423	2,572
2005	63,552	1.09	69,176	1,611	650	70,080	68,593	93.8	1,423	2,628
Taiwan										
1992	89	4.48	399	5,883	17	6,260	0	0.0	5,776	1,204
1993	89	4.46	397	5,885	0	6,277	0	0.0	5,836	1,209
1994	84	4.46	375	6,623	0	6,499	0	0.0	6,031	1,708
1995	76	4.16	316	6,031	0	6,397	0	0.0	5,982	1,658
1996	76	4.16	316	6,330	0	6,796	0	0.0	6,391	1,508
1992-96 avg.	83	4.36	361	6,150	3	6,446	0	0.0	6,003	1,457
1998	72	4.20	302	6,681	0	6,925	0	0.0	6,509	1,190
1999	72	4.20	300	6,812	0	6,973	0	0.0	6,554	1,329
2000	68	4.20	285	6,842	0	7,062	0	0.0	6,638	1,394
2001	65	4.20	271	6,947	0	7,144	0	0.0	6,719	1,468
2002	61	4.19	257	7,028	0	7,211	0	0.0	6,782	1,542
2003	58	4.21	245	7,130	0	7,296	0	0.0	6,865	1,621
2004	55	4.20	232	7,226	0	7,378	0	0.0	6,944	1,701
2005	53	4.20	221	7,301	0	7,438	0	0.0	7,000	1,785

Continued—

Table 14—Coarse grains supply and use projections—cont'd

						Consumption			Feed	Ending stocks
	Area	Yield	Production	Imports	Exports	Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----					Kgs.		
Thailand										
1992	1,370	2.59	3,550	197	157	3,400	55	1.0	3,345	445
1993	1,220	2.52	3,080	8	128	3,181	61	1.1	3,120	234
1994	1,360	2.94	4,000	236	160	3,936	61	1.0	3,875	374
1995	1,300	3.00	3,900	263	97	4,166	60	1.0	4,106	274
1996	1,360	3.09	4,200	400	100	4,550	60	1.0	4,290	224
1992-96 avg.	1,322	2.83	3,746	221	128	3,847	59	1.0	3,747	310
1998	1,268	3.03	3,846	694	0	4,538	55	0.9	4,483	318
1999	1,280	3.05	3,903	857	0	4,745	55	0.9	4,690	333
2000	1,304	3.07	4,007	930	0	4,924	56	0.9	4,869	345
2001	1,342	3.11	4,167	945	0	5,100	56	0.9	5,043	358
2002	1,369	3.13	4,279	847	0	5,124	57	0.9	5,068	359
2003	1,349	3.13	4,225	859	0	5,087	57	0.9	5,029	357
2004	1,358	3.16	4,286	891	0	5,171	58	0.9	5,113	363
2005	1,368	3.18	4,347	982	0	5,319	58	0.9	5,260	373
Tunisia										
1992	504	1.13	571	288	0	889	100	11.7	789	120
1993	401	0.40	161	707	0	878	16	1.8	862	110
1994	251	0.58	146	575	0	781	40	4.5	741	50
1995	201	0.40	81	450	0	531	50	5.5	481	50
1996	701	1.21	851	551	0	1,227	45	4.9	1,127	225
1992-96 avg.	412	0.88	362	514	0	861	50	5.7	800	111
1998	454	0.71	323	636	0	958	48	5.1	910	139
1999	459	0.72	329	639	0	969	50	5.2	919	138
2000	464	0.72	336	643	0	978	51	5.2	927	140
2001	469	0.73	343	647	0	990	53	5.3	937	140
2002	472	0.74	349	651	0	1,001	55	5.4	946	139
2003	477	0.75	356	657	0	1,012	56	5.5	956	140
2004	482	0.75	363	661	0	1,023	58	5.5	965	141
2005	486	0.76	371	666	0	1,035	60	5.6	975	142
Turkey										
1992	4,493	2.09	9,370	1,067	588	9,624	1,707	28.8	7,917	631
1993	4,598	2.27	10,435	196	622	9,080	1,946	32.2	7,134	1,560
1994	4,408	2.01	8,875	578	1,027	9,212	1,887	30.7	7,325	774
1995	4,468	2.09	9,360	889	155	9,649	1,880	30.1	7,769	1,219
1996	4,783	2.18	10,430	500	755	10,080	1,900	29.9	8,180	1,314
1992-96 avg.	4,550	2.13	9,694	646	629	9,529	1,864	30.3	7,665	1,100
1998	4,637	2.20	10,206	817	343	10,773	1,659	25.3	9,114	876
1999	4,674	2.22	10,364	1,077	334	10,987	1,662	24.9	9,325	996
2000	4,714	2.23	10,530	1,107	325	11,084	1,662	24.6	9,422	1,224
2001	4,744	2.25	10,677	1,120	317	11,172	1,665	24.3	9,507	1,532
2002	4,758	2.26	10,752	1,269	308	11,398	1,678	24.1	9,720	1,847
2003	4,783	2.27	10,861	1,440	300	11,611	1,686	23.9	9,925	2,237
2004	4,808	2.28	10,970	1,609	292	11,848	1,694	23.6	10,154	2,676
2005	4,832	2.29	11,079	1,792	284	12,094	1,701	23.4	10,393	3,169
Ukraine										
1992	5,812	2.68	15,585	925	280	16,235	4,000	77.6	12,235	1,271
1993	6,751	3.01	20,289	325	325	17,831	3,909	76.2	13,922	3,729
1994	6,998	2.65	18,526	148	240	19,167	3,376	66.1	15,791	2,996
1995	6,897	2.26	15,607	25	275	15,620	3,572	70.2	12,048	2,733
1996	5,830	1.63	9,500	25	275	10,600	3,440	67.9	7,160	1,433
1992-96 avg.	6,458	2.46	15,901	290	279	15,891	3,659	71.6	12,231	2,432
1998	5,837	2.55	14,882	25	671	14,326	3,412	67.6	10,217	1,441
1999	5,868	2.60	15,233	150	797	14,666	3,467	68.8	10,485	1,362
2000	5,876	2.65	15,598	275	1,062	14,959	3,501	69.6	10,726	1,216
2001	5,874	2.71	15,913	350	1,199	15,091	3,520	70.0	10,827	1,191
2002	5,854	2.76	16,155	350	1,344	15,187	3,542	70.5	10,892	1,168
2003	5,833	2.82	16,426	400	1,585	15,272	3,567	71.0	10,939	1,140
2004	5,832	2.87	16,751	400	1,702	15,468	3,608	71.9	11,077	1,124
2005	5,857	2.93	17,146	450	1,841	15,765	3,667	73.2	11,295	1,119

Continued—

Table 14—Coarse grains supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----					Kgs.	--- 1,000 tons ---	
Other Central & Eastern Europe										
1992	7,913	2.47	19,533	1,213	611	22,352	4,294	75.6	18,058	1,601
1993	7,761	2.46	19,110	1,046	201	20,126	4,931	87.5	15,102	1,430
1994	7,618	2.86	21,782	274	537	21,330	4,037	72.0	17,293	1,619
1995	7,389	3.28	24,263	87	2,080	21,722	4,186	74.9	17,532	2,167
1996	7,284	2.99	21,751	160	1,200	20,701	4,219	75.8	16,482	2,177
1992-96 avg.	7,593	2.80	21,288	556	926	21,246	4,333	77.2	16,893	1,799
1998	7,490	3.04	22,792	146	791	22,112	4,065	73.1	18,047	2,301
1999	7,561	3.08	23,275	185	858	22,550	4,054	72.7	18,496	2,353
2000	7,643	3.16	24,117	148	1,190	23,022	4,084	73.1	18,938	2,406
2001	7,672	3.22	24,719	148	1,762	23,097	4,116	73.5	18,981	2,414
2002	7,648	3.27	24,992	148	2,340	22,829	4,141	73.7	18,688	2,385
2003	7,585	3.34	25,316	149	2,629	22,837	4,169	74.1	18,668	2,384
2004	7,523	3.40	25,608	149	3,085	22,690	4,179	74.1	18,511	2,366
2005	7,502	3.47	26,026	149	3,339	22,822	4,157	73.6	18,665	2,380
Other Former Soviet Union										
1992	13,871	1.72	23,914	4,114	2,200	25,026	5,121	55.5	19,905	3,188
1993	14,798	1.63	24,076	2,074	691	24,727	5,106	55.0	19,621	3,920
1994	13,282	1.37	18,201	1,837	665	20,071	4,848	52.0	15,167	3,222
1995	10,988	1.22	13,380	1,300	750	15,042	4,097	43.7	10,897	2,110
1996	9,506	1.47	14,003	1,180	175	15,192	4,291	45.5	10,901	2,026
1992-96 avg.	12,489	1.50	18,715	2,101	896	20,012	4,693	50.3	15,298	2,893
1998	9,846	1.51	14,846	1,489	557	15,976	4,683	48.9	10,446	1,580
1999	9,858	1.52	14,940	1,901	525	16,293	4,744	49.0	10,696	1,603
2000	9,873	1.53	15,143	2,109	600	16,618	4,792	49.1	10,962	1,637
2001	9,863	1.55	15,301	2,225	650	16,855	4,831	49.0	11,150	1,658
2002	9,823	1.57	15,396	2,274	650	17,008	4,867	48.8	11,260	1,670
2003	9,788	1.59	15,522	2,311	650	17,170	4,913	48.8	11,369	1,683
2004	9,789	1.61	15,715	2,429	700	17,420	4,976	48.9	11,547	1,707
2005	9,834	1.63	15,994	2,508	750	17,720	5,055	49.2	11,751	1,739
Other North Africa and Middle East										
1992	3,378	0.73	2,451	4,132	117	6,336	1,353	26.3	4,983	504
1993	3,324	0.85	2,831	3,777	264	6,025	1,476	27.7	4,549	823
1994	3,012	0.87	2,627	3,943	745	5,937	1,399	25.4	4,538	711
1995	3,095	0.91	2,821	3,524	975	5,711	1,439	25.2	3,722	370
1996	2,681	0.99	2,659	4,090	625	5,879	1,481	25.1	4,398	615
1992-96 avg.	3,098	0.86	2,678	3,893	545	5,978	1,430	25.9	4,438	605
1998	3,138	0.80	2,509	4,110	273	6,330	1,464	23.3	4,866	743
1999	3,191	0.81	2,574	4,270	268	6,552	1,480	22.9	5,072	767
2000	3,247	0.82	2,647	4,388	263	6,752	1,505	22.5	5,247	787
2001	3,299	0.82	2,711	4,530	257	6,961	1,523	22.1	5,438	810
2002	3,335	0.83	2,757	4,672	252	7,156	1,532	21.6	5,624	831
2003	3,362	0.83	2,807	4,835	247	7,371	1,552	21.3	5,819	855
2004	3,404	0.84	2,867	4,996	242	7,596	1,562	20.8	6,034	880
2005	3,455	0.85	2,933	5,157	237	7,828	1,560	20.2	6,268	905
Other South America										
1992	3,468	2.11	7,303	2,858	144	9,931	4,250	40.2	5,681	791
1993	3,388	2.12	7,185	3,525	211	10,490	4,346	40.3	6,144	800
1994	3,525	2.18	7,693	4,451	421	11,517	4,676	42.6	6,789	1,006
1995	3,550	2.08	7,386	4,468	195	11,986	4,614	41.3	7,145	679
1996	3,767	2.14	8,068	5,136	175	13,003	4,689	41.2	7,794	705
1992-96 avg.	3,540	2.13	7,527	4,088	229	11,385	4,515	41.1	6,711	796
1998	3,805	2.18	8,292	4,115	125	12,266	4,776	40.6	7,490	714
1999	3,821	2.23	8,510	4,086	131	12,455	4,777	39.9	7,678	724
2000	3,854	2.28	8,799	4,163	134	12,808	4,940	40.7	7,868	744
2001	3,888	2.33	9,058	4,159	138	13,065	5,042	40.9	8,023	758
2002	3,911	2.37	9,253	4,173	140	13,275	5,081	40.6	8,194	769
2003	3,929	2.41	9,488	4,146	144	13,479	5,103	40.2	8,376	780
2004	3,956	2.46	9,748	4,177	147	13,762	5,192	40.3	8,570	796
2005	3,992	2.51	10,025	4,197	149	14,057	5,376	41.1	8,681	812

Table 15—Corn supply and use projections

	Area	Yield	Production	Imports	Exports	Consumption			Ending stocks	
						Total	Food	Food/cap		
										Feed
	1,000 ha	Tons/ha	----- 1,000 tons -----			Kgs.		--- 1,000 tons ---		
World										
1992	133,005	4.05	538,552	58,053	64,031	512,592	148,475	27.2	346,628	107,250
1993	131,047	3.63	475,451	55,688	58,071	507,635	155,591	28.1	339,691	72,683
1994	134,917	4.16	561,085	68,243	65,425	542,601	154,663	27.6	375,503	93,985
1995	134,135	3.84	515,446	63,366	70,287	538,442	156,495	27.5	370,667	64,068
1996	139,586	4.12	575,630	61,332	62,089	564,993	157,938	27.4	393,265	73,948
1992-96 avg.	134,538	3.96	533,233	61,336	63,981	533,252	154,632	27.6	365,151	82,387
1998	140,155	4.20	589,220	71,275	71,275	584,152	164,399	27.7	409,889	81,405
1999	140,543	4.24	596,574	74,376	74,376	597,063	166,363	27.7	422,203	80,916
2000	141,669	4.30	609,736	76,861	76,861	613,914	167,599	27.5	436,342	76,738
2001	142,940	4.37	624,494	79,155	79,155	629,337	168,959	27.4	448,911	71,895
2002	144,355	4.44	641,063	81,660	81,660	643,241	170,670	27.3	460,385	69,717
2003	145,397	4.51	656,140	84,375	84,375	656,565	172,719	27.3	472,208	69,292
2004	146,426	4.59	671,449	87,437	87,437	670,340	174,677	27.3	484,590	70,401
2005	147,493	4.66	686,888	90,658	90,658	684,924	176,780	27.3	498,255	72,365
United States										
1992	29,169	8.25	240,719	180	42,249	172,927	37,916	146.9	133,705	53,672
1993	25,463	6.32	160,954	529	33,741	159,819	39,832	152.8	119,396	21,595
1994	29,496	8.70	256,621	243	55,311	183,577	42,537	161.7	140,642	39,571
1995	26,303	7.12	187,305	419	56,589	159,887	40,134	151.2	119,676	10,819
1996	29,602	7.97	236,064	254	48,262	174,506	42,039	157.0	132,086	24,369
1992-96 avg.	28,007	7.72	216,333	325	47,230	170,143	40,492	153.9	129,101	30,005
1998	30,028	8.14	244,488	254	60,328	184,541	46,103	169.1	138,437	37,010
1999	29,825	8.25	246,012	254	63,503	187,716	47,374	172.2	140,342	32,056
2000	30,028	8.35	250,838	254	65,408	190,256	48,644	175.4	141,612	27,484
2001	30,352	8.46	256,808	254	66,679	192,923	49,406	176.7	143,518	24,944
2002	30,635	8.57	262,523	254	67,949	194,955	50,168	177.9	144,788	24,817
2003	30,635	8.67	265,698	254	69,854	197,114	51,057	179.6	146,058	23,801
2004	30,635	8.78	269,000	254	71,759	199,147	51,819	180.8	147,328	22,150
2005	30,635	8.89	272,302	254	74,299	200,671	52,708	182.5	147,963	19,737
Algeria										
1992	1	2.00	2	1,100	0	1,102	0	0.0	1,102	100
1993	1	2.00	2	1,225	0	1,227	0	0.0	1,227	100
1994	1	2.00	2	1,100	0	1,102	0	0.0	1,102	100
1995	1	2.00	2	488	0	540	0	0.0	540	50
1996	1	2.00	2	900	0	902	0	0.0	902	50
1992-96 avg.	1	2.00	2	963	0	975	0	0.0	975	80
1998	1	2.00	2	1,225	0	1,226	0	0.0	1,226	73
1999	1	2.00	2	1,256	0	1,256	0	0.0	1,256	74
2000	1	2.00	2	1,286	0	1,286	0	0.0	1,286	76
2001	1	2.00	2	1,318	0	1,319	0	0.0	1,319	77
2002	1	2.00	2	1,351	0	1,352	0	0.0	1,352	78
2003	1	2.00	2	1,385	0	1,386	0	0.0	1,386	79
2004	1	2.00	2	1,420	0	1,420	0	0.0	1,420	81
2005	1	2.00	2	1,455	0	1,456	0	0.0	1,456	83
Argentina										
1992	2,450	4.16	10,200	0	4,749	5,101	1,501	44.8	3,600	865
1993	2,400	4.17	10,000	0	4,100	5,765	1,515	44.7	4,250	1,000
1994	2,550	4.45	11,360	0	6,000	5,260	1,500	43.7	3,760	1,100
1995	2,700	4.11	11,100	0	6,900	4,900	1,500	43.3	3,400	400
1996	3,300	4.39	14,500	0	8,750	5,500	1,500	42.8	4,000	650
1992-96 avg.	2,680	4.27	11,432	0	6,100	5,305	1,503	43.8	3,802	803
1998	2,994	4.40	13,164	0	7,429	5,735	1,561	43.6	4,174	606
1999	2,968	4.50	13,370	0	7,596	5,765	1,584	43.8	4,181	615
2000	2,989	4.63	13,852	0	8,019	5,812	1,605	43.9	4,207	636
2001	2,952	4.78	14,120	0	8,254	5,857	1,630	44.1	4,227	645
2002	2,987	4.92	14,690	0	8,747	5,919	1,663	44.5	4,256	669
2003	2,994	5.03	15,049	0	9,056	5,977	1,689	44.8	4,288	685
2004	3,035	5.16	15,655	0	9,595	6,034	1,716	45.0	4,318	711
2005	3,014	5.29	15,954	0	9,865	6,077	1,742	45.3	4,335	723

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
Brazil										
1992	12,400	2.35	29,200	1,220	0	30,200	3,700	23.6	26,500	3,598
1993	13,692	2.41	32,934	1,304	0	33,250	5,250	33.1	28,000	4,586
1994	14,189	2.64	37,440	1,407	0	36,158	5,200	32.3	30,958	7,275
1995	13,767	2.36	32,480	300	110	36,780	5,250	32.3	31,530	3,165
1996	14,000	2.43	34,000	500	200	36,550	5,250	31.9	31,300	915
1992-96 avg.	13,610	2.44	33,211	946	62	34,588	4,930	30.6	29,658	3,908
1998	14,493	2.53	36,668	1,735	0	38,348	5,101	30.4	33,247	1,581
1999	14,385	2.57	36,937	1,859	0	38,789	4,960	29.3	33,829	1,588
2000	14,655	2.64	38,728	1,992	0	40,647	4,956	29.0	35,691	1,661
2001	14,785	2.70	39,985	2,043	0	41,978	4,930	28.6	37,048	1,711
2002	14,907	2.77	41,305	2,142	0	43,391	4,909	28.2	38,482	1,767
2003	14,980	2.83	42,434	2,221	0	44,610	4,893	27.9	39,717	1,812
2004	15,043	2.90	43,622	2,356	0	45,928	4,857	27.5	41,071	1,862
2005	15,165	2.97	44,995	2,493	0	47,430	4,797	26.9	42,633	1,920
Canada										
1992	857	5.70	4,883	1,255	200	6,209	1,374	49.4	4,835	1,250
1993	986	6.59	6,501	552	523	7,100	1,500	53.2	5,600	680
1994	955	7.37	7,043	925	346	7,650	1,600	56.1	6,050	652
1995	1,003	7.25	7,271	855	450	7,630	1,455	50.5	6,170	698
1996	1,040	6.92	7,200	750	400	7,550	1,500	51.5	6,050	698
1992-96 avg.	968	6.80	6,580	867	384	7,228	1,486	52.1	5,741	796
1998	993	7.20	7,151	1,069	316	7,894	1,582	53.3	6,312	743
1999	989	7.22	7,140	1,151	319	7,966	1,596	53.2	6,370	749
2000	984	7.24	7,120	1,239	322	8,030	1,610	53.2	6,420	756
2001	981	7.26	7,125	1,297	325	8,092	1,625	53.2	6,467	761
2002	978	7.29	7,134	1,360	329	8,158	1,640	53.3	6,518	768
2003	976	7.32	7,143	1,412	332	8,218	1,655	53.3	6,563	773
2004	971	7.34	7,126	1,491	335	8,276	1,669	53.3	6,607	779
2005	969	7.36	7,132	1,559	339	8,346	1,683	53.3	6,663	785
Central America & Caribbean										
1992	2,142	1.50	3,211	1,687	15	4,889	2,522	38.3	2,367	289
1993	2,127	1.47	3,130	1,774	3	4,907	2,471	36.9	2,436	283
1994	2,109	1.32	2,793	2,187	16	5,025	2,602	38.2	2,407	222
1995	2,125	1.53	3,257	2,007	5	5,259	2,605	37.6	2,566	222
1996	2,157	1.50	3,240	2,025	0	5,270	2,605	37.0	2,510	217
1992-96 avg.	2,132	1.47	3,126	1,936	8	5,070	2,561	37.6	2,457	247
1998	2,213	1.44	3,195	2,212	0	5,401	2,723	37.5	2,678	234
1999	2,231	1.45	3,236	2,260	0	5,493	2,722	36.9	2,771	237
2000	2,250	1.46	3,282	2,325	0	5,604	2,768	36.9	2,836	241
2001	2,269	1.46	3,321	2,359	0	5,678	2,758	36.3	2,920	243
2002	2,288	1.46	3,350	2,413	0	5,760	2,725	35.3	3,035	246
2003	2,307	1.47	3,390	2,455	0	5,843	2,724	34.8	3,118	248
2004	2,327	1.47	3,430	2,527	0	5,954	2,751	34.6	3,202	252
2005	2,346	1.48	3,469	2,598	0	6,064	2,770	34.4	3,294	255
Central & Eastern Europe										
1992	7,724	2.68	20,708	1,569	619	24,706	4,047	33.4	20,659	2,239
1993	7,234	2.79	20,174	360	226	20,823	4,087	33.9	16,736	1,724
1994	7,068	3.21	22,716	369	744	22,175	3,299	27.4	18,875	1,890
1995	6,949	3.65	25,371	367	2,275	22,952	3,560	29.6	19,392	2,401
1996	7,080	3.58	25,355	335	1,675	24,025	3,585	29.9	20,440	2,391
1992-96 avg.	7,211	3.17	22,865	600	1,108	22,936	3,716	30.8	19,220	2,129
1998	6,959	3.43	23,852	487	610	23,692	3,246	27.0	20,446	2,376
1999	7,018	3.46	24,299	564	525	24,288	3,235	26.9	21,053	2,426
2000	7,081	3.54	25,090	564	734	24,867	3,251	26.9	21,616	2,479
2001	7,092	3.61	25,612	578	1,390	24,792	3,278	27.1	21,513	2,487
2002	7,049	3.66	25,788	593	2,058	24,350	3,310	27.3	21,040	2,460
2003	6,996	3.74	26,138	598	2,455	24,281	3,339	27.5	20,942	2,460
2004	6,943	3.81	26,448	622	3,012	24,076	3,350	27.5	20,725	2,442
2005	6,938	3.88	26,909	641	3,355	24,181	3,335	27.3	20,846	2,456

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
China										
1992	21,040	4.53	95,380	0	12,623	85,757	25,757	22.0	60,000	27,000
1993	20,690	4.96	102,700	0	11,796	92,904	27,404	23.1	65,500	25,000
1994	21,152	4.69	99,280	4,287	1,413	99,654	25,654	21.4	74,000	27,500
1995	22,767	4.92	112,000	1,476	227	110,049	27,000	22.3	83,049	30,700
1996	23,500	4.98	117,000	50	1,000	116,250	27,000	22.1	89,250	30,500
1992-96 avg.	21,830	4.82	105,272	1,163	5,412	100,923	26,563	22.2	74,360	28,140
1998	23,891	4.96	118,552	3,095	390	121,333	25,628	20.6	95,705	28,385
1999	24,358	5.03	122,556	3,521	360	125,406	25,317	20.2	100,089	28,696
2000	24,976	5.11	127,710	4,136	337	130,906	25,011	19.8	105,893	29,299
2001	25,630	5.21	133,606	4,705	322	137,243	24,687	19.4	112,554	30,045
2002	26,168	5.33	139,478	5,531	309	143,927	24,399	19.0	119,526	30,818
2003	26,647	5.46	145,562	6,388	301	150,869	24,102	18.7	126,767	31,598
2004	27,082	5.60	151,638	7,581	292	158,131	23,815	18.3	134,316	32,394
2005	27,480	5.73	157,514	8,910	284	165,394	23,511	18.0	141,882	33,140
Czech Republic										
1992	31	3.35	104	87	0	240	4	0.4	236	51
1993	32	4.88	156	23	4	186	40	3.9	146	40
1994	35	3.51	123	25	13	155	40	3.9	115	20
1995	27	4.19	113	25	0	145	70	6.8	75	13
1996	30	4.67	140	25	0	160	70	6.8	90	18
1992-96 avg.	31	4.10	127	37	3	177	45	4.3	132	28
1998	29	4.16	122	24	0	146	70	6.8	76	10
1999	29	4.13	118	30	0	148	71	6.8	77	10
2000	28	4.11	115	36	0	151	71	6.8	80	10
2001	28	4.09	115	38	0	153	71	6.9	82	10
2002	28	4.05	115	39	0	154	72	6.9	82	10
2003	29	4.02	117	38	0	155	72	6.9	83	10
2004	29	4.00	116	41	0	157	73	6.9	84	10
2005	29	3.97	114	43	0	157	73	7.0	84	10
EU-15										
1992	3,879	7.80	30,242	1,486	1,443	27,880	3,318	9.0	20,370	4,937
1993	3,783	8.06	30,487	2,494	1,597	32,497	3,470	9.3	24,173	3,824
1994	3,717	7.61	28,298	3,412	231	32,369	3,852	10.3	23,452	2,934
1995	3,691	7.85	28,960	2,809	255	32,153	3,564	9.5	24,053	2,295
1996	4,105	8.47	34,782	2,618	232	35,578	3,608	9.6	26,170	3,885
1992-96 avg.	3,835	7.97	30,554	2,564	752	32,095	3,562	9.6	23,644	3,575
1998	3,792	8.20	31,103	2,347	250	33,230	3,653	9.7	24,165	2,658
1999	3,831	8.29	31,751	2,350	250	33,805	3,678	9.7	24,621	2,704
2000	3,841	8.37	32,162	2,300	250	34,181	3,701	9.7	24,921	2,735
2001	3,818	8.46	32,289	2,300	250	34,328	3,723	9.8	24,987	2,746
2002	3,819	8.53	32,592	2,300	250	34,619	3,745	9.8	25,202	2,769
2003	3,817	8.62	32,898	2,300	250	34,923	3,765	9.8	25,431	2,794
2004	3,812	8.70	33,162	2,300	250	35,191	3,784	9.8	25,625	2,815
2005	3,807	8.78	33,422	2,300	250	35,451	3,804	9.9	25,812	2,836
Egypt										
1992	750	6.00	4,500	1,742	0	6,242	942	15.7	5,300	0
1993	811	6.14	4,980	2,135	0	6,915	1,380	22.6	5,535	200
1994	886	6.38	5,650	2,589	0	7,939	1,700	27.3	6,225	500
1995	887	6.47	5,738	2,224	0	8,174	1,800	28.3	6,374	288
1996	890	6.52	5,800	2,850	0	8,700	1,800	27.8	6,900	238
1992-96 avg.	845	6.31	5,334	2,308	0	7,594	1,524	24.3	6,067	245
1998	916	6.70	6,141	3,025	0	9,150	1,852	27.6	7,298	468
1999	920	6.80	6,258	3,050	0	9,301	1,717	25.1	7,584	475
2000	921	6.90	6,359	3,075	0	9,427	1,713	24.6	7,714	482
2001	926	7.01	6,490	3,100	0	9,582	1,635	23.1	7,947	490
2002	937	7.11	6,661	3,200	0	9,848	1,671	23.2	8,177	503
2003	941	7.22	6,795	3,300	0	10,083	1,697	23.1	8,386	515
2004	946	7.33	6,934	3,400	0	10,321	1,723	23.1	8,598	528
2005	952	7.44	7,079	3,500	0	10,567	1,750	23.1	8,817	540

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
Former Soviet Union										
1992	2,700	2.63	7,109	6,177	220	13,314	2,352	8.0	10,962	2,157
1993	2,937	3.05	8,957	4,195	150	12,292	2,212	7.6	10,080	2,867
1994	1,880	2.14	4,032	609	41	6,361	1,801	6.2	4,560	1,106
1995	2,465	2.84	6,990	490	255	6,612	1,953	6.7	4,609	1,719
1996	2,097	2.15	4,505	575	100	5,562	2,027	6.9	3,420	1,187
1992-96 avg.	2,416	2.62	6,319	2,409	153	8,828	2,069	7.1	6,726	1,807
1998	2,513	2.61	6,548	400	428	6,963	1,729	5.9	5,234	798
1999	2,522	2.66	6,697	930	499	7,113	1,741	5.9	5,372	813
2000	2,521	2.71	6,838	1,149	587	7,373	1,756	5.9	5,617	840
2001	2,505	2.77	6,932	1,257	756	7,430	1,759	5.9	5,671	843
2002	2,481	2.82	6,995	1,257	862	7,396	1,756	5.9	5,640	837
2003	2,469	2.87	7,090	1,231	982	7,347	1,753	5.9	5,594	829
2004	2,469	2.92	7,215	1,256	1,062	7,406	1,764	5.9	5,642	832
2005	2,483	2.97	7,374	1,310	1,138	7,534	1,794	5.9	5,740	844
Hungary										
1992	1,164	3.70	4,301	0	222	4,899	499	48.9	4,400	280
1993	1,130	3.55	4,012	27	18	4,030	230	22.7	3,800	271
1994	1,200	3.58	4,300	10	370	4,000	200	19.9	3,800	211
1995	1,040	4.42	4,600	10	500	4,100	200	20.0	3,900	221
1996	1,100	5.09	5,600	10	500	5,050	200	20.1	4,850	281
1992-96 avg.	1,127	4.05	4,563	11	322	4,416	266	26.3	4,150	253
1998	1,056	4.14	4,375	0	78	4,297	211	21.5	4,086	196
1999	1,067	4.17	4,451	0	25	4,426	213	21.7	4,213	196
2000	1,070	4.21	4,505	3	0	4,508	214	21.9	4,294	196
2001	1,058	4.24	4,481	0	128	4,353	216	22.2	4,137	196
2002	1,038	4.24	4,402	0	250	4,152	220	22.7	3,932	196
2003	1,038	4.27	4,432	0	354	4,078	222	23.0	3,856	196
2004	1,036	4.30	4,450	0	437	4,013	224	23.3	3,788	196
2005	1,042	4.32	4,499	0	518	3,981	227	23.6	3,754	196
Indonesia										
1992	3,050	1.85	5,650	357	81	5,900	3,100	15.7	2,800	189
1993	2,950	1.83	5,400	962	35	6,151	3,101	15.5	3,050	365
1994	3,652	1.67	6,100	1,738	56	7,047	3,000	14.7	4,047	1,100
1995	3,531	1.70	6,000	734	30	7,204	3,200	15.5	4,004	600
1996	3,550	1.86	6,600	750	0	7,400	3,250	15.5	4,150	550
1992-96 avg.	3,347	1.78	5,950	908	40	6,740	3,130	15.4	3,610	561
1998	3,008	1.78	5,365	2,500	0	7,860	3,066	14.2	4,794	145
1999	3,018	1.78	5,386	2,750	0	8,131	3,020	13.8	5,111	150
2000	3,038	1.79	5,423	3,000	0	8,418	3,001	13.5	5,417	155
2001	3,053	1.79	5,456	3,250	0	8,701	2,972	13.2	5,729	160
2002	3,066	1.79	5,484	3,500	0	8,979	2,940	12.9	6,039	165
2003	3,075	1.79	5,509	3,750	0	9,254	2,851	12.3	6,403	170
2004	3,082	1.79	5,532	4,000	0	9,527	2,701	11.5	6,826	175
2005	3,090	1.80	5,556	4,250	0	9,800	2,533	10.6	7,267	181
Iran										
1992	45	1.22	55	1,160	0	1,015	65	1.0	950	235
1993	45	1.56	70	503	0	808	58	0.9	750	200
1994	50	1.40	70	1,092	0	970	65	1.0	850	192
1995	50	1.40	70	1,281	0	1,331	75	1.1	1,206	212
1996	50	1.40	70	1,250	0	1,375	85	1.3	1,250	157
1992-96 avg.	48	1.40	67	1,057	0	1,100	70	1.1	1,001	199
1998	54	1.59	86	1,107	0	1,262	70	1.0	1,192	25
1999	56	1.64	93	1,126	0	1,208	72	1.0	1,136	36
2000	59	1.69	99	1,135	0	1,204	73	1.0	1,131	66
2001	61	1.74	107	1,146	0	1,212	75	1.0	1,137	107
2002	64	1.79	114	1,155	0	1,219	77	1.0	1,142	156
2003	66	1.85	122	1,165	0	1,234	79	1.0	1,155	210
2004	69	1.90	131	1,175	0	1,242	81	1.0	1,162	274
2005	72	1.96	140	1,187	0	1,255	83	1.0	1,173	346

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	-----	1,000 tons	-----		Kgs.	---	1,000 tons	---
Iraq										
1992	120	2.17	260	0	0	260	110	5.7	150	0
1993	130	2.15	280	0	0	280	120	6.0	160	0
1994	140	2.14	300	0	0	300	120	5.8	180	0
1995	140	2.14	300	0	0	300	120	5.6	180	0
1996	140	1.79	250	0	0	250	120	5.4	130	0
1992-96 avg.	134	2.07	278	0	0	278	118	5.7	160	0
1998	144	2.21	318	215	0	508	113	4.7	396	25
1999	146	2.22	323	230	0	534	118	4.8	416	44
2000	147	2.23	329	266	0	571	123	4.8	447	68
2001	148	2.24	332	277	0	590	136	5.1	453	87
2002	149	2.25	335	293	0	610	142	5.2	467	105
2003	149	2.26	338	317	0	637	149	5.2	487	123
2004	150	2.28	341	344	0	668	156	5.3	512	140
2005	151	2.29	345	373	0	702	163	5.4	538	156
Japan										
1992	1	2.00	2	16,760	0	16,850	0	0.0	12,879	1,439
1993	1	2.00	2	16,165	0	16,450	0	0.0	12,700	1,156
1994	1	2.00	2	16,481	0	16,450	0	0.0	12,700	1,189
1995	1	2.00	2	15,976	0	16,076	0	0.0	12,326	1,091
1996	1	1.00	1	15,500	0	15,649	0	0.0	11,849	943
1992-96 avg.	1	1.80	2	16,176	0	16,295	0	0.0	12,491	1,164
1998	1	2.00	2	16,020	0	16,003	0	0.0	11,849	1,243
1999	1	2.00	2	15,977	0	15,978	0	0.0	11,696	1,244
2000	1	2.00	2	15,950	0	15,955	0	0.0	11,553	1,241
2001	1	2.00	2	15,955	0	15,959	0	0.0	11,422	1,239
2002	1	2.00	2	15,829	0	15,831	0	0.0	11,314	1,239
2003	1	2.00	2	15,695	0	15,706	0	0.0	11,192	1,230
2004	1	2.00	2	15,574	0	15,586	0	0.0	11,085	1,220
2005	1	2.00	2	15,440	0	15,452	0	0.0	10,961	1,210
Malaysia										
1992	21	1.71	36	1,957	0	1,960	95	5.1	1,865	175
1993	20	1.90	38	1,977	0	2,030	110	5.7	1,920	160
1994	20	2.00	40	2,415	0	2,315	75	3.8	2,240	300
1995	23	1.87	43	2,343	0	2,536	80	4.0	2,456	150
1996	25	1.80	45	2,600	0	2,600	90	4.4	2,510	195
1992-96 avg.	22	1.85	40	2,258	0	2,288	90	4.6	2,198	196
1998	26	1.91	49	2,849	0	2,889	127	6.0	2,762	209
1999	26	1.92	50	2,974	0	2,890	130	6.0	2,760	218
2000	27	1.93	52	3,105	0	3,016	132	6.0	2,884	228
2001	27	1.94	53	3,246	0	3,148	135	6.0	3,013	238
2002	28	1.95	55	3,393	0	3,290	138	6.0	3,153	249
2003	29	1.96	56	3,547	0	3,438	140	6.0	3,298	260
2004	30	1.97	58	3,708	0	3,593	143	6.1	3,450	272
2005	30	1.98	60	3,874	0	3,756	146	6.1	3,610	284
Mexico										
1992	7,536	2.47	18,631	396	6	18,463	14,888	164.7	3,575	1,558
1993	8,557	2.24	19,141	1,691	113	20,477	14,977	162.4	5,500	1,800
1994	8,022	2.12	17,005	3,166	71	20,250	14,450	153.7	5,800	1,650
1995	7,800	2.28	17,780	6,379	50	23,159	15,000	156.6	8,100	2,600
1996	8,200	2.32	19,000	3,500	50	23,800	15,100	154.8	8,500	1,250
1992-96 avg.	8,023	2.28	18,311	3,026	58	21,230	14,883	158.4	6,295	1,772
1998	7,408	2.49	18,464	4,243	0	22,707	15,537	153.6	7,170	1,422
1999	7,338	2.57	18,858	4,367	0	23,225	15,724	152.8	7,501	1,422
2000	7,285	2.61	19,007	4,378	0	23,385	15,526	148.3	7,859	1,422
2001	7,255	2.65	19,193	4,559	0	23,752	15,521	145.8	8,231	1,422
2002	7,235	2.69	19,449	4,834	0	24,283	15,665	144.8	8,618	1,422
2003	7,217	2.74	19,778	5,420	0	25,198	16,190	147.3	9,008	1,422
2004	7,199	2.80	20,159	5,833	0	25,992	16,581	148.5	9,411	1,422
2005	7,179	2.87	20,568	6,168	0	26,736	16,903	149.1	9,833	1,422

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	-----	1,000 tons	-----			Kgs.	--- 1,000 tons ---	
Morocco										
1992	454	0.48	216	350	0	559	159	5.7	400	27
1993	300	0.31	92	375	0	469	19	0.7	450	25
1994	324	0.63	203	543	0	746	106	3.6	640	25
1995	450	0.78	350	425	0	765	215	7.2	550	35
1996	450	0.78	350	400	0	760	210	6.9	550	25
1992-96 avg.	396	0.61	242	419	0	660	142	4.8	518	27
1998	460	0.70	321	468	0	788	183	5.8	605	36
1999	467	0.72	336	474	0	809	188	5.8	621	37
2000	475	0.74	352	482	0	833	194	5.9	639	38
2001	482	0.76	368	489	0	856	199	5.9	657	39
2002	489	0.79	384	498	0	881	204	6.0	677	40
2003	496	0.81	402	505	0	906	210	6.1	696	41
2004	504	0.83	420	514	0	933	216	6.1	717	43
2005	512	0.86	439	521	0	959	221	6.2	738	44
Pakistan										
1992	800	1.38	1,100	0	0	1,100	680	5.6	420	0
1993	878	1.38	1,213	0	0	1,213	773	6.3	440	0
1994	886	1.49	1,318	0	0	1,318	843	6.7	475	0
1995	850	1.50	1,275	0	0	1,275	845	6.5	430	0
1996	875	1.49	1,300	0	0	1,300	850	6.4	450	0
1992-96 avg.	858	1.45	1,241	0	0	1,241	798	6.3	443	0
1998	909	1.52	1,379	3	0	1,382	841	6.1	541	0
1999	924	1.53	1,417	12	0	1,429	842	6.0	588	0
2000	936	1.55	1,451	19	0	1,470	834	5.8	636	0
2001	950	1.57	1,490	28	0	1,518	832	5.7	686	0
2002	967	1.58	1,531	31	0	1,562	825	5.5	738	0
2003	981	1.60	1,572	43	0	1,615	823	5.4	792	0
2004	992	1.62	1,607	63	0	1,670	821	5.3	849	0
2005	1,002	1.64	1,640	89	0	1,729	821	5.2	908	0
Philippines										
1992	3,330	1.44	4,810	0	0	4,730	1,730	24.8	3,000	220
1993	3,100	1.62	5,030	1	0	5,076	2,266	31.8	2,810	175
1994	2,967	1.53	4,534	136	0	4,700	1,805	24.8	2,895	145
1995	2,760	1.57	4,324	516	0	4,890	1,810	24.3	3,080	95
1996	2,700	1.59	4,300	750	0	5,000	1,800	23.6	3,200	145
1992-96 avg.	2,971	1.55	4,600	281	0	4,879	1,882	25.9	2,997	156
1998	2,798	1.58	4,432	663	0	5,082	1,703	21.5	3,379	128
1999	2,805	1.63	4,560	751	0	5,306	1,714	21.2	3,592	133
2000	2,823	1.67	4,701	889	0	5,583	1,720	20.8	3,863	140
2001	2,836	1.70	4,829	1,001	0	5,824	1,729	20.5	4,095	145
2002	2,852	1.73	4,939	1,114	0	6,048	1,747	20.4	4,301	151
2003	2,859	1.77	5,058	1,158	0	6,212	1,756	20.1	4,456	154
2004	2,868	1.81	5,190	1,231	0	6,416	1,766	19.8	4,650	159
2005	2,883	1.86	5,348	1,295	0	6,638	1,773	19.5	4,865	165
Poland										
1992	56	3.68	206	1,000	0	1,139	189	4.9	950	293
1993	55	5.27	290	150	0	572	82	2.1	490	161
1994	58	3.26	189	185	0	445	95	2.5	350	90
1995	48	4.98	239	282	0	482	90	2.3	392	129
1996	50	4.70	235	200	0	485	90	2.3	395	79
1992-96 avg.	53	4.34	232	363	0	625	109	2.8	515	150
1998	46	4.51	206	318	0	523	91	2.3	432	46
1999	46	4.53	209	327	0	536	92	2.3	444	46
2000	46	4.57	211	338	0	549	92	2.4	456	46
2001	45	4.58	208	344	0	552	93	2.4	458	46
2002	44	4.58	202	350	0	552	94	2.4	458	46
2003	43	4.60	200	354	0	554	95	2.4	459	46
2004	43	4.62	198	362	0	560	96	2.4	464	46
2005	43	4.63	200	369	0	569	97	2.4	472	46

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
Russia										
1992	810	2.64	2,135	4,240	100	6,214	1,100	7.4	5,114	1,295
1993	805	3.04	2,447	3,300	80	5,771	1,100	7.4	4,671	1,191
1994	524	1.72	900	218	0	2,154	850	5.7	1,304	155
1995	643	2.64	1,700	100	0	1,800	835	5.6	965	155
1996	700	1.57	1,100	200	0	1,300	885	6.0	365	155
1992-96 avg.	696	2.38	1,656	1,612	36	3,448	954	6.4	2,484	590
1998	812	2.02	1,639	100	0	1,903	749	5.1	1,154	190
1999	821	2.04	1,674	291	0	1,959	760	5.1	1,199	196
2000	818	2.06	1,688	398	0	2,075	763	5.2	1,311	207
2001	808	2.09	1,689	407	0	2,094	766	5.2	1,328	209
2002	797	2.12	1,686	390	0	2,077	770	5.2	1,307	208
2003	790	2.14	1,693	364	0	2,059	774	5.2	1,285	206
2004	790	2.18	1,719	365	0	2,082	783	5.3	1,299	208
2005	799	2.21	1,766	350	0	2,113	797	5.3	1,316	211
Saudi Arabia										
1992	3	1.33	4	844	0	848	0	0.0	848	10
1993	3	1.33	4	1,073	0	1,077	2	0.1	1,075	10
1994	3	1.33	4	933	0	937	4	0.2	933	10
1995	3	1.33	4	924	0	928	4	0.2	924	10
1996	3	1.33	4	1,100	0	1,104	5	0.2	1,099	10
1992-96 avg.	3	1.33	4	975	0	979	3	0.2	976	10
1998	3	1.33	4	1,245	0	1,256	4	0.2	1,252	6
1999	3	1.33	4	1,344	0	1,315	4	0.2	1,311	39
2000	3	1.33	4	1,387	0	1,369	4	0.2	1,365	62
2001	3	1.33	4	1,444	0	1,419	4	0.2	1,415	91
2002	3	1.33	4	1,508	0	1,484	4	0.2	1,480	119
2003	3	1.33	4	1,581	0	1,563	4	0.2	1,559	141
2004	3	1.33	4	1,659	0	1,634	4	0.2	1,629	170
2005	3	1.34	4	1,744	0	1,711	5	0.2	1,706	207
Slovakia										
1992	154	4.39	676	48	0	760	216	40.6	544	165
1993	148	4.55	674	2	3	660	110	20.6	550	178
1994	127	4.10	521	0	14	585	74	13.8	510	100
1995	122	4.89	596	0	25	575	75	14.0	500	96
1996	140	5.00	700	0	25	650	100	18.5	550	121
1992-96 avg.	138	4.58	633	10	13	646	115	21.5	531	132
1998	129	4.79	616	27	0	643	86	15.8	557	95
1999	126	4.79	606	50	0	656	87	15.9	569	95
2000	124	4.80	595	69	0	664	88	15.9	576	95
2001	123	4.79	588	78	0	666	89	16.0	577	95
2002	122	4.77	582	86	0	668	90	16.1	578	95
2003	122	4.76	582	87	0	669	91	16.2	578	95
2004	121	4.76	577	100	0	677	92	16.3	585	95
2005	121	4.75	574	110	0	684	93	16.4	591	95
South Africa										
1992	3,660	2.73	9,990	0	1,200	7,603	3,723	93.9	3,880	1,687
1993	3,900	3.40	13,275	20	4,450	8,132	4,532	112.5	3,600	2,400
1994	2,952	1.64	4,845	600	125	6,820	3,720	90.7	3,100	900
1995	3,300	3.09	10,200	0	2,000	7,900	4,000	95.8	3,900	1,200
1996	3,400	2.50	8,500	30	1,000	7,880	4,000	94.2	3,880	850
1992-96 avg.	3,442	2.72	9,362	130	1,755	7,667	3,995	97.4	3,672	1,407
1998	3,336	2.83	9,437	464	781	9,069	5,076	115.8	3,993	907
1999	3,373	2.84	9,567	366	585	9,323	5,226	117.5	4,093	932
2000	3,416	2.84	9,714	210	468	9,444	5,279	117.1	4,162	944
2001	3,451	2.85	9,838	155	445	9,538	5,333	116.8	4,203	954
2002	3,475	2.86	9,935	103	423	9,608	5,309	114.9	4,297	961
2003	3,512	2.87	10,071	76	412	9,724	5,279	113.0	4,442	972
2004	3,540	2.88	10,182	63	402	9,832	5,289	112.1	4,539	983
2005	3,567	2.89	10,291	93	398	9,972	5,312	111.5	4,657	997

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
South Korea										
1992	21	4.38	92	6,544	0	6,630	0	0.0	4,987	580
1993	20	4.10	82	5,696	0	5,795	0	0.0	3,992	563
1994	22	4.05	89	8,223	0	8,010	0	0.0	6,260	865
1995	18	4.11	74	8,963	0	9,150	0	0.0	7,450	752
1996	17	4.12	70	8,250	0	8,350	0	0.0	6,650	722
1992-96 avg.	20	4.15	81	7,535	0	7,587	0	0.0	5,868	696
1998	17	4.09	68	10,307	0	10,259	0	0.0	8,493	946
1999	17	4.08	67	11,000	0	10,998	0	0.0	9,211	1,015
2000	16	4.08	67	11,587	0	11,599	0	0.0	9,790	1,070
2001	16	4.08	66	12,033	0	12,057	0	0.0	10,227	1,112
2002	16	4.08	65	12,508	0	12,529	0	0.0	10,670	1,156
2003	16	4.08	65	12,884	0	12,914	0	0.0	11,034	1,191
2004	16	4.09	64	13,218	0	13,251	0	0.0	11,350	1,222
2005	16	4.08	63	13,517	0	13,552	0	0.0	11,633	1,250
Sub-Saharan Africa										
1992	17,847	1.37	24,493	1,686	257	24,977	23,871	46.9	1,059	2,335
1993	18,179	1.30	23,653	1,885	735	25,588	24,451	46.6	1,090	1,550
1994	18,586	1.30	24,123	1,965	316	26,077	25,021	46.3	1,010	1,245
1995	19,590	1.41	27,672	1,004	725	27,626	26,525	47.7	1,101	1,570
1996	19,258	1.31	25,258	1,750	100	27,408	25,838	45.1	1,055	1,070
1992-96 avg.	18,692	1.34	25,040	1,658	427	26,335	25,141	46.5	1,063	1,554
1998	19,592	1.43	28,041	1,532	525	28,987	27,798	45.9	1,189	1,511
1999	19,852	1.46	28,925	1,448	525	29,804	28,604	45.9	1,191	1,554
2000	19,875	1.47	29,269	1,508	525	30,230	29,024	45.3	1,190	1,575
2001	20,083	1.49	29,997	1,515	525	30,948	29,739	45.2	1,192	1,613
2002	20,296	1.51	30,748	1,554	525	31,736	30,515	45.1	1,195	1,653
2003	20,551	1.54	31,606	1,552	525	32,587	31,363	45.2	1,196	1,698
2004	20,773	1.56	32,385	1,474	525	33,296	32,069	45.0	1,197	1,735
2005	21,001	1.58	33,220	1,400	525	34,055	32,818	44.9	1,198	1,774
Taiwan										
1992	62	4.65	288	5,629	17	5,890	0	0.0	5,550	1,150
1993	62	4.61	286	5,316	0	5,602	0	0.0	5,350	1,150
1994	57	4.63	264	6,288	0	6,004	0	0.0	5,700	1,698
1995	60	4.17	250	5,727	0	6,027	0	0.0	5,727	1,648
1996	60	4.17	250	6,000	0	6,400	0	0.0	6,100	1,498
1992-96 avg.	60	4.45	268	5,792	3	5,985	0	0.0	5,685	1,429
1998	51	4.39	223	6,347	0	6,462	0	0.0	6,110	1,144
1999	51	4.38	222	6,476	0	6,564	0	0.0	6,153	1,278
2000	48	4.38	211	6,502	0	6,650	0	0.0	6,232	1,341
2001	46	4.38	200	6,603	0	6,732	0	0.0	6,308	1,412
2002	43	4.38	190	6,681	0	6,800	0	0.0	6,367	1,483
2003	41	4.39	181	6,779	0	6,884	0	0.0	6,445	1,559
2004	39	4.38	171	6,871	0	6,965	0	0.0	6,519	1,636
2005	37	4.39	163	6,943	0	7,025	0	0.0	6,572	1,717
Thailand										
1992	1,230	2.76	3,400	197	147	3,250	50	0.9	3,200	434
1993	1,070	2.71	2,900	8	118	3,000	50	0.9	2,950	224
1994	1,200	3.17	3,800	200	160	3,700	50	0.9	3,650	364
1995	1,140	3.25	3,700	259	97	3,962	50	0.8	3,912	264
1996	1,200	3.33	4,000	400	100	4,350	50	0.8	4,100	214
1992-96 avg.	1,168	3.05	3,560	213	124	3,652	50	0.9	3,562	300
1998	1,115	3.28	3,652	694	0	4,344	45	0.7	4,299	309
1999	1,126	3.29	3,707	857	0	4,549	45	0.7	4,504	323
2000	1,146	3.32	3,806	930	0	4,724	46	0.7	4,678	336
2001	1,180	3.36	3,960	945	0	4,893	46	0.7	4,847	348
2002	1,203	3.38	4,068	847	0	4,914	47	0.7	4,867	349
2003	1,186	3.39	4,016	859	0	4,878	47	0.7	4,830	347
2004	1,194	3.41	4,075	891	0	4,960	48	0.7	4,912	353
2005	1,202	3.44	4,134	982	0	5,106	48	0.8	5,057	363

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	-----	1,000 tons	-----			Kgs.	--- 1,000 tons ---	
Tunisia										
1992	1	1.00	1	283	0	284	0	0.0	284	10
1993	1	1.00	1	275	0	276	0	0.0	276	10
1994	1	1.00	1	224	0	230	0	0.0	230	5
1995	1	1.00	1	215	0	216	0	0.0	216	5
1996	1	1.00	1	300	0	301	0	0.0	301	5
1992-96 avg.	1	1.00	1	259	0	261	0	0.0	261	7
1998	1	1.02	1	309	0	311	1	0.1	310	6
1999	1	1.02	1	315	0	317	1	0.1	316	5
2000	1	1.02	1	321	0	322	1	0.1	321	5
2001	1	1.03	1	328	0	329	1	0.1	328	5
2002	1	1.03	1	334	0	335	1	0.1	334	5
2003	1	1.03	1	341	0	342	1	0.1	341	5
2004	1	1.04	1	347	0	348	1	0.1	347	5
2005	1	1.04	1	354	0	355	1	0.1	354	6
Turkey										
1992	625	3.56	2,225	160	8	2,327	627	10.6	1,700	100
1993	630	3.97	2,500	10	88	2,320	620	10.3	1,700	202
1994	480	3.54	1,700	525	3	2,250	550	8.9	1,700	174
1995	480	3.75	1,800	739	5	2,539	600	9.6	1,939	169
1996	600	3.83	2,300	400	5	2,600	600	9.4	2,000	264
1992-96 avg.	563	3.74	2,105	367	22	2,407	599	9.8	1,808	182
1998	648	3.96	2,566	340	4	2,937	608	9.3	2,330	123
1999	655	4.01	2,629	492	4	3,048	619	9.3	2,429	193
2000	662	4.07	2,695	462	4	3,106	630	9.3	2,477	239
2001	669	4.13	2,760	487	4	3,135	642	9.3	2,493	348
2002	668	4.15	2,769	515	4	3,194	661	9.5	2,532	434
2003	671	4.17	2,797	552	4	3,284	680	9.6	2,604	495
2004	674	4.19	2,825	574	4	3,366	699	9.8	2,667	525
2005	678	4.21	2,852	616	4	3,481	718	9.9	2,763	507
Ukraine										
1992	1,160	2.46	2,851	300	100	3,171	850	16.5	2,321	273
1993	1,331	2.84	3,786	175	50	3,308	756	14.7	2,552	876
1994	651	2.36	1,537	25	0	2,176	637	12.5	1,539	262
1995	1,161	2.92	3,392	0	50	2,779	829	16.3	1,950	825
1996	700	2.71	1,900	0	50	2,300	850	16.8	1,450	425
1992-96 avg.	1,001	2.69	2,693	100	50	2,747	784	15.4	1,962	532
1998	1,002	3.09	3,101	0	171	2,919	694	13.8	2,225	287
1999	1,005	3.19	3,207	0	299	2,913	693	13.8	2,220	282
2000	1,005	3.29	3,309	25	387	2,948	701	13.9	2,247	280
2001	1,003	3.38	3,393	50	506	2,942	700	13.9	2,243	275
2002	999	3.46	3,458	50	612	2,904	692	13.8	2,212	267
2003	997	3.54	3,529	50	732	2,856	682	13.6	2,174	258
2004	997	3.61	3,600	50	812	2,844	679	13.5	2,165	252
2005	999	3.67	3,671	50	838	2,884	688	13.7	2,195	251
Other Central & Eastern Europe										
1992	6,319	2.44	15,421	434	397	17,668	3,139	55.3	14,529	1,450
1993	5,869	2.56	15,042	158	201	15,375	3,625	64.3	11,750	1,074
1994	5,648	3.11	17,583	149	347	16,990	2,890	51.5	14,100	1,469
1995	5,712	3.47	19,823	50	1,750	17,650	3,125	56.0	14,525	1,942
1996	5,760	3.24	18,680	100	1,150	17,680	3,125	56.1	14,555	1,892
1992-96 avg.	5,862	2.95	17,310	178	769	17,073	3,181	56.6	13,892	1,565
1998	5,700	3.25	18,534	118	532	18,083	2,787	50.1	15,296	2,029
1999	5,750	3.29	18,915	157	500	18,522	2,773	49.8	15,749	2,079
2000	5,813	3.38	19,664	118	734	18,995	2,786	49.8	16,209	2,132
2001	5,838	3.46	20,220	118	1,262	19,068	2,809	50.1	16,259	2,140
2002	5,817	3.52	20,488	118	1,808	18,825	2,834	50.5	15,991	2,113
2003	5,763	3.61	20,808	119	2,101	18,826	2,859	50.8	15,967	2,113
2004	5,714	3.69	21,108	119	2,575	18,670	2,866	50.8	15,804	2,095
2005	5,704	3.77	21,522	119	2,837	18,790	2,846	50.4	15,944	2,109

Continued—

Table 15—Corn supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	-----	1,000 tons	-----			Kgs.	--- 1,000 tons ---	
Other Former Soviet Union										
1992	730	2.91	2,123	1,637	20	3,929	402	4.4	3,527	589
1993	801	3.40	2,724	720	20	3,213	356	3.8	2,857	800
1994	705	2.26	1,595	366	41	2,031	314	3.4	1,717	689
1995	661	2.87	1,898	390	205	2,033	289	3.1	1,694	739
1996	697	2.16	1,505	375	50	1,962	292	3.1	1,605	607
1992-96 avg.	719	2.74	1,969	698	67	2,634	331	3.5	2,280	685
1998	699	2.59	1,808	300	257	2,140	286	3.0	1,854	321
1999	697	2.61	1,816	639	200	2,240	288	3.0	1,952	336
2000	698	2.64	1,841	726	200	2,350	292	3.0	2,058	353
2001	693	2.67	1,851	800	250	2,395	294	3.0	2,101	359
2002	685	2.70	1,851	817	250	2,415	294	3.0	2,121	362
2003	682	2.74	1,868	817	250	2,432	297	3.0	2,135	365
2004	682	2.78	1,896	841	250	2,480	302	3.0	2,178	372
2005	686	2.83	1,938	910	300	2,539	308	3.0	2,231	381
Other North Africa and Middle East										
1992	112	3.24	363	1,911	0	2,231	420	8.2	1,811	130
1993	113	2.73	308	1,413	0	1,751	458	8.6	1,293	100
1994	109	2.50	273	2,066	0	2,296	462	8.4	1,834	143
1995	112	2.44	273	1,964	0	2,310	454	8.0	1,856	70
1996	118	2.36	278	2,000	0	2,278	466	7.9	1,812	70
1992-96 avg.	113	2.65	299	1,871	0	2,173	452	8.2	1,721	103
1998	115	2.60	299	1,964	0	1,964	467	7.4	1,497	70
1999	117	2.65	310	2,062	0	2,369	466	7.2	1,903	73
2000	120	2.70	323	2,157	0	2,476	473	7.1	2,004	77
2001	122	2.75	335	2,248	0	2,579	478	7.0	2,101	80
2002	124	2.79	346	2,339	0	2,681	483	6.8	2,198	83
2003	126	2.84	358	2,432	0	2,786	490	6.7	2,297	86
2004	128	2.89	370	2,532	0	2,898	492	6.6	2,406	90
2005	130	2.95	383	2,636	0	3,015	489	6.3	2,527	93
Other South America										
1992	2,399	2.09	5,018	2,639	80	7,457	3,354	31.7	4,103	647
1993	2,398	2.18	5,227	3,170	168	8,159	3,319	30.8	4,840	717
1994	2,587	2.28	5,902	4,028	379	9,363	3,692	33.6	5,671	905
1995	2,541	2.18	5,542	3,976	170	9,633	3,646	32.6	5,983	620
1996	2,680	2.27	6,085	4,755	150	10,645	3,650	32.1	6,635	665
1992-96 avg.	2,521	2.20	5,555	3,714	189	9,051	3,532	32.2	5,446	711
1998	2,796	2.28	6,381	3,770	100	10,035	3,668	31.2	6,367	668
1999	2,806	2.34	6,553	3,740	101	10,183	3,647	30.5	6,536	678
2000	2,832	2.40	6,784	3,810	102	10,473	3,755	30.9	6,718	697
2001	2,858	2.45	6,993	3,801	103	10,678	3,822	31.0	6,856	711
2002	2,877	2.49	7,152	3,809	103	10,847	3,836	30.6	7,011	722
2003	2,891	2.54	7,342	3,779	104	11,007	3,821	30.1	7,186	733
2004	2,913	2.59	7,549	3,803	105	11,232	3,863	30.0	7,369	748
2005	2,941	2.64	7,773	3,816	105	11,468	3,997	30.6	7,471	764

Table 16—Barley supply and use projections

						Consumption				Ending stocks
	Area	Yield	Production	Imports	Exports	Total	Food	Food/cap	Feed	
	1,000 ha	Tons/ha	----- 1,000 tons -----			Kgs.			--- 1,000 tons ---	
World										
1992	72,960	2.28	166,525	16,673	17,207	167,563	30,214	5.5	122,057	32,599
1993	74,272	2.29	170,211	17,801	18,552	169,328	31,246	5.6	124,934	32,730
1994	73,368	2.20	161,319	14,429	15,448	166,308	31,168	5.6	121,993	26,722
1995	68,972	2.06	142,413	12,083	12,612	149,642	29,753	5.2	105,532	18,964
1996	66,413	2.33	154,861	14,493	13,835	151,210	30,028	5.2	105,974	23,272
1992-96 avg.	71,197	2.23	159,066	15,096	15,531	160,810	30,482	5.4	116,098	26,857
1998	66,334	2.32	153,633	15,831	15,831	156,782	30,682	5.2	110,982	22,547
1999	67,116	2.34	157,142	16,218	16,218	159,840	31,031	5.2	113,387	19,849
2000	67,813	2.37	160,991	16,920	16,920	160,474	31,374	5.2	113,460	20,366
2001	67,929	2.39	162,667	17,333	17,333	161,902	31,703	5.1	114,423	21,131
2002	67,938	2.41	163,996	17,661	17,661	163,552	31,985	5.1	115,566	21,575
2003	68,092	2.44	166,017	18,261	18,261	165,668	32,298	5.1	117,144	21,924
2004	68,371	2.46	168,219	18,877	18,877	167,756	32,662	5.1	118,616	22,387
2005	68,661	2.48	169,955	19,410	19,410	169,281	33,078	5.1	119,465	23,061
United States										
1992	2,948	3.36	9,908	248	1,748	7,916	3,449	13.4	4,283	3,292
1993	2,733	3.17	8,666	1,556	1,438	9,053	3,547	13.6	5,445	3,023
1994	2,698	3.03	8,162	1,434	1,442	8,726	3,566	13.6	5,111	2,451
1995	2,541	3.08	7,829	887	1,359	7,640	3,375	12.7	4,025	2,168
1996	2,747	3.15	8,640	871	762	8,730	3,375	12.6	5,117	2,187
1992-96 avg.	2,733	3.16	8,641	999	1,350	8,413	3,462	13.2	4,796	2,624
1998	2,873	3.23	9,253	1,197	1,524	8,840	3,614	13.3	5,225	2,460
1999	2,833	3.27	9,253	1,197	1,524	9,057	3,614	13.1	5,443	2,330
2000	2,792	3.27	9,144	1,197	1,524	8,840	3,614	13.0	5,225	2,308
2001	2,752	3.32	9,144	1,197	1,524	8,840	3,614	12.9	5,225	2,286
2002	2,752	3.32	9,144	1,197	1,524	8,948	3,614	12.8	5,334	2,155
2003	2,752	3.36	9,253	1,197	1,524	9,057	3,614	12.7	5,443	2,025
2004	2,752	3.40	9,362	1,197	1,524	9,057	3,614	12.6	5,443	2,003
2005	2,752	3.40	9,362	1,197	1,524	9,057	3,614	12.5	5,443	1,981
Algeria										
1992	1,300	1.15	1,500	400	0	1,900	70	2.6	1,830	80
1993	650	0.63	410	622	0	1,112	199	7.1	940	50
1994	360	0.67	240	296	0	536	300	10.5	350	50
1995	800	0.68	540	50	0	590	200	6.8	390	50
1996	1,000	1.30	1,300	25	0	1,325	400	13.4	925	51
1992-96 avg.	822	0.97	798	279	0	1,093	234	8.1	887	56
1998	1,006	0.93	935	231	0	1,163	187	6.0	976	58
1999	1,012	0.93	943	224	0	1,167	191	6.0	975	58
2000	1,020	0.94	955	217	0	1,171	196	6.1	975	58
2001	1,024	0.94	964	212	0	1,175	201	6.1	974	58
2002	1,025	0.95	970	208	0	1,178	207	6.1	971	58
2003	1,030	0.95	980	206	0	1,186	213	6.2	973	59
2004	1,035	0.96	990	204	0	1,194	218	6.2	975	59
2005	1,040	0.96	999	201	0	1,200	224	6.3	976	59
Australia										
1992	2,982	1.83	5,460	0	2,416	2,834	797	45.0	2,037	1,032
1993	3,424	2.03	6,956	0	4,436	3,034	793	44.3	2,241	518
1994	2,470	1.18	2,913	66	1,144	2,142	720	39.8	1,422	211
1995	3,202	1.72	5,498	20	3,375	2,000	800	43.8	1,100	354
1996	3,260	1.87	6,080	0	3,400	2,500	800	43.4	1,700	534
1992-96 avg.	3,068	1.75	5,381	17	2,954	2,502	782	43.3	1,700	530
1998	2,898	1.80	5,211	0	2,838	2,376	804	42.8	1,572	422
1999	2,920	1.84	5,368	0	2,741	2,681	808	42.6	1,873	368
2000	2,958	1.88	5,558	0	2,912	2,632	812	42.5	1,820	382
2001	3,010	1.92	5,776	0	3,104	2,680	816	42.3	1,864	374
2002	3,043	1.96	5,964	0	3,272	2,711	820	42.2	1,891	355
2003	3,045	2.00	6,100	0	3,421	2,675	824	42.1	1,851	359
2004	3,072	2.05	6,285	0	3,539	2,758	828	42.0	1,930	347
2005	3,115	2.09	6,504	0	3,659	2,860	833	41.9	2,028	332

Continued—

Table 16—Barley supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
Brazil										
1992	70	2.14	150	150	0	300	300	1.9	0	18
1993	60	1.83	110	262	0	370	370	2.3	0	20
1994	60	1.83	110	85	0	215	350	2.2	0	0
1995	60	1.67	100	320	0	370	350	2.2	0	50
1996	100	1.75	175	200	0	405	350	2.1	0	20
1992-96 avg.	70	1.84	129	203	0	332	344	2.1	0	22
1998	78	1.78	139	171	0	310	310	1.8	0	17
1999	77	1.83	141	183	0	323	324	1.9	0	17
2000	77	1.88	144	191	0	335	335	2.0	0	18
2001	77	1.94	149	198	0	346	346	2.0	0	18
2002	77	2.00	153	205	0	357	357	2.1	0	19
2003	76	2.05	155	212	0	367	367	2.1	0	20
2004	75	2.10	159	221	0	379	379	2.1	0	20
2005	75	2.16	163	230	0	392	392	2.2	0	21
Canada										
1992	3,792	2.91	11,032	3	2,454	7,925	738	26.5	7,187	3,271
1993	4,159	3.12	12,972	1	3,564	9,304	818	29.0	8,486	3,376
1994	4,092	2.86	11,690	5	2,934	10,317	760	26.7	9,557	1,820
1995	4,365	2.99	13,035	10	2,564	10,494	745	25.9	9,711	1,807
1996	4,930	3.23	15,900	10	3,500	11,000	750	25.8	10,250	3,217
1992-96 avg.	4,268	3.03	12,926	6	3,003	9,808	762	26.8	9,038	2,698
1998	4,364	3.04	13,285	10	2,516	10,901	760	25.6	10,141	2,860
1999	4,527	3.05	13,787	10	2,594	11,141	756	25.2	10,384	2,922
2000	4,586	3.05	14,002	10	2,763	11,226	776	25.6	10,451	2,945
2001	4,584	3.08	14,110	10	2,814	11,289	785	25.7	10,504	2,962
2002	4,598	3.11	14,292	10	2,892	11,386	783	25.4	10,602	2,986
2003	4,567	3.13	14,292	10	2,898	11,400	776	25.0	10,624	2,990
2004	4,577	3.14	14,387	10	2,931	11,452	772	24.7	10,680	3,004
2005	4,657	3.15	14,689	10	3,040	11,616	777	24.6	10,839	3,047
Central & Eastern Europe										
1992	3,673	3.11	11,436	1,519	827	12,156	2,246	18.5	9,469	1,107
1993	3,749	2.89	10,830	1,527	28	12,007	2,600	21.5	8,733	1,431
1994	3,734	2.94	10,996	806	433	11,748	2,506	20.8	8,765	1,052
1995	3,413	3.30	11,251	242	410	11,227	2,686	22.3	8,070	908
1996	3,335	2.91	9,700	285	55	9,910	2,639	22.0	6,855	928
1992-96 avg.	3,581	3.03	10,843	876	351	11,410	2,535	21.0	8,378	1,085
1998	3,573	3.15	11,271	429	235	11,466	2,893	24.1	8,090	1,124
1999	3,618	3.16	11,435	452	362	11,521	2,933	24.4	8,101	1,128
2000	3,643	3.18	11,568	472	480	11,557	2,978	24.7	8,010	1,131
2001	3,633	3.18	11,560	476	500	11,528	3,020	25.0	8,011	1,139
2002	3,609	3.18	11,473	526	510	11,481	3,059	25.2	7,919	1,147
2003	3,582	3.19	11,421	713	478	11,651	3,093	25.4	8,049	1,152
2004	3,587	3.20	11,487	862	448	11,886	3,129	25.7	8,234	1,167
2005	3,586	3.21	11,505	929	447	11,984	3,168	26.0	8,287	1,170
China										
1992	1,526	3.06	4,665	647	0	5,673	2,974	2.5	1,550	1,076
1993	1,355	3.19	4,327	1,318	0	5,743	3,189	2.7	1,450	978
1994	1,395	3.16	4,411	1,345	0	5,845	3,704	3.1	1,300	889
1995	1,283	3.19	4,089	1,413	0	5,550	3,496	2.9	1,000	841
1996	1,300	3.08	4,000	1,500	0	5,500	3,500	2.9	950	841
1992-96 avg.	1,372	3.13	4,298	1,245	0	5,662	3,373	2.8	1,250	925
1998	1,613	2.21	3,569	1,770	0	5,330	3,466	2.8	1,864	209
1999	1,622	2.23	3,618	1,757	0	5,373	3,426	2.7	1,947	211
2000	1,643	2.25	3,698	1,784	0	5,478	3,416	2.7	2,062	215
2001	1,668	2.27	3,790	1,852	0	5,636	3,433	2.7	2,203	221
2002	1,689	2.29	3,876	1,939	0	5,808	3,460	2.7	2,349	228
2003	1,705	2.32	3,950	2,046	0	5,989	3,497	2.7	2,492	235
2004	1,719	2.34	4,018	2,164	0	6,175	3,541	2.7	2,633	242
2005	1,732	2.36	4,084	2,267	0	6,344	3,584	2.7	2,760	249

Continued—

Table 16—Barley supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----					Kgs.	--- 1,000 tons ---	
Czech Republic										
1992	636	3.95	2,513	34	71	2,386	470	45.5	1,916	340
1993	650	3.85	2,500	236	1	2,620	650	62.9	2,000	455
1994	680	3.80	2,584	0	132	2,547	675	65.4	1,875	360
1995	558	3.84	2,140	35	0	2,335	700	67.8	1,635	200
1996	650	3.54	2,300	25	0	2,325	650	63.0	1,675	200
1992-96 avg.	635	3.79	2,407	66	41	2,443	629	60.9	1,820	311
1998	671	3.80	2,549	44	0	2,593	655	63.3	1,939	326
1999	678	3.77	2,556	42	0	2,598	659	63.7	1,939	326
2000	678	3.76	2,547	18	0	2,565	664	64.0	1,898	326
2001	668	3.73	2,490	63	0	2,553	669	64.3	1,884	326
2002	654	3.68	2,409	83	0	2,492	674	64.7	1,818	326
2003	646	3.66	2,365	207	0	2,572	679	65.0	1,893	326
2004	644	3.64	2,341	290	0	2,631	683	65.4	1,947	326
2005	648	3.61	2,337	310	0	2,647	688	65.8	1,959	326
EU-15										
1992	12,611	3.76	47,457	35	6,720	42,043	90	0.2	30,291	11,492
1993	11,223	4.19	47,039	51	7,112	41,610	90	0.2	31,008	9,859
1994	10,974	3.98	43,687	60	5,352	41,850	90	0.2	30,665	6,404
1995	10,769	4.06	43,696	156	2,804	42,455	88	0.2	31,527	4,997
1996	11,451	4.56	52,169	101	4,068	45,905	89	0.2	33,694	7,293
1992-96 avg.	11,406	4.10	46,810	81	5,211	42,773	89	0.2	31,437	8,009
1998	11,292	4.34	48,954	257	7,213	45,260	90	0.2	34,380	7,242
1999	11,547	4.38	50,627	216	7,263	46,202	90	0.2	35,154	4,620
2000	11,915	4.43	52,826	224	7,279	45,810	91	0.2	34,632	4,581
2001	11,897	4.48	53,274	258	7,319	46,176	91	0.2	34,833	4,618
2002	11,806	4.52	53,393	247	7,319	46,308	92	0.2	34,779	4,631
2003	11,860	4.57	54,170	271	7,760	46,647	92	0.2	34,961	4,665
2004	11,833	4.61	54,581	237	8,098	46,714	93	0.2	34,851	4,671
2005	11,716	4.66	54,577	250	8,111	46,715	93	0.2	34,659	4,672
Former Soviet Union										
1992	27,180	1.93	52,406	4,592	2,210	53,228	9,915	33.9	43,313	3,608
1993	30,036	1.83	54,984	1,464	1,031	53,458	10,026	34.3	43,432	5,567
1994	30,724	1.73	53,096	1,656	2,264	51,458	9,475	32.4	41,983	6,597
1995	26,762	1.24	33,065	1,400	1,000	37,138	8,055	27.5	29,083	2,924
1996	21,399	1.40	29,903	875	700	31,120	8,054	27.5	23,301	1,982
1992-96 avg.	27,220	1.64	44,691	1,997	1,441	45,280	9,105	31.1	36,222	4,136
1998	22,088	1.63	35,922	1,003	773	35,906	8,850	30.1	24,720	2,823
1999	22,182	1.64	36,447	993	1,026	36,475	8,971	30.4	25,137	2,762
2000	22,178	1.67	36,951	1,042	1,261	36,796	9,084	30.7	25,311	2,698
2001	22,097	1.69	37,292	1,051	1,377	37,040	9,161	30.8	25,457	2,624
2002	21,973	1.71	37,508	1,043	1,457	37,173	9,209	30.9	25,528	2,545
2003	21,897	1.73	37,885	1,066	1,504	37,512	9,289	31.0	25,762	2,480
2004	21,904	1.75	38,413	1,113	1,674	37,904	9,407	31.3	26,002	2,428
2005	22,009	1.78	39,124	1,122	1,981	38,304	9,571	31.7	26,193	2,389
Hungary										
1992	480	3.59	1,722	0	380	1,492	442	43.3	1,050	350
1993	390	2.90	1,130	226	25	1,531	331	32.6	1,200	150
1994	423	3.66	1,550	49	55	1,504	395	39.2	1,110	190
1995	393	3.58	1,408	15	75	1,400	400	40.0	1,000	138
1996	325	2.77	900	10	0	935	325	32.7	610	113
1992-96 avg.	402	3.34	1,342	60	107	1,372	379	37.6	994	188
1998	382	3.52	1,345	122	0	1,467	337	34.3	1,130	98
1999	386	3.54	1,367	129	50	1,446	348	35.5	1,098	98
2000	387	3.58	1,384	130	86	1,428	358	36.6	1,049	98
2001	383	3.60	1,377	109	71	1,415	371	38.0	1,044	98
2002	375	3.60	1,352	109	54	1,407	387	39.9	1,020	98
2003	375	3.63	1,361	109	20	1,450	401	41.4	1,049	98
2004	375	3.65	1,366	119	0	1,485	415	43.0	1,070	98
2005	376	3.67	1,381	124	0	1,505	430	44.7	1,075	98

Continued—

Table 16—Barley supply and use projections—cont'd

						Consumption			Feed	Ending stocks
	Area	Yield	Production	Imports	Exports	Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----					Kgs.		
Iran										
1992	2,600	1.42	3,700	174	0	3,874	1,274	20.5	2,600	900
1993	2,600	1.54	4,000	388	0	4,388	1,388	22.0	3,000	900
1994	2,600	1.42	3,700	384	0	4,234	1,425	22.0	2,800	750
1995	2,600	1.42	3,700	338	0	4,238	1,400	21.2	2,838	550
1996	2,500	1.44	3,600	400	0	4,200	1,400	20.7	2,800	350
1992-96 avg.	2,580	1.45	3,740	337	0	4,187	1,377	21.3	2,808	690
1998	2,620	1.48	3,884	445	0	4,304	1,242	17.7	3,062	343
1999	2,642	1.49	3,931	414	0	4,293	1,250	17.4	3,043	395
2000	2,670	1.49	3,985	384	0	4,306	1,260	17.1	3,047	458
2001	2,688	1.50	4,023	367	0	4,331	1,271	16.9	3,060	517
2002	2,692	1.50	4,042	354	0	4,348	1,279	16.6	3,069	564
2003	2,711	1.51	4,083	345	0	4,365	1,285	16.4	3,080	627
2004	2,730	1.51	4,124	336	0	4,375	1,289	16.1	3,086	712
2005	2,748	1.51	4,163	321	0	4,377	1,291	15.8	3,085	820
Japan										
1992	84	3.40	286	1,663	0	1,929	250	2.0	1,620	952
1993	74	3.66	271	1,719	0	1,981	336	2.7	1,650	961
1994	62	3.63	225	1,751	0	2,025	331	2.6	1,675	912
1995	59	3.69	218	1,529	0	1,864	350	2.8	1,559	795
1996	57	4.09	233	1,750	0	2,023	205	1.6	1,723	755
1992-96 avg.	67	3.67	247	1,682	0	1,964	294	2.4	1,645	875
1998	45	3.66	166	1,729	0	1,990	205	1.6	1,685	943
1999	47	3.68	172	1,716	0	1,917	205	1.6	1,685	914
2000	48	3.69	178	1,704	0	1,894	205	1.6	1,679	903
2001	49	3.71	181	1,701	0	1,889	205	1.6	1,675	896
2002	49	3.72	184	1,695	0	1,881	205	1.6	1,668	894
2003	50	3.75	188	1,696	0	1,886	205	1.6	1,663	893
2004	51	3.77	191	1,688	0	1,878	205	1.6	1,659	894
2005	52	3.79	195	1,678	0	1,874	205	1.6	1,652	893
Poland										
1992	1,198	2.35	2,819	676	135	3,340	299	7.8	2,600	220
1993	1,200	2.75	3,300	147	2	3,242	431	11.2	2,200	425
1994	1,032	2.60	2,686	682	16	3,500	517	13.4	2,500	277
1995	1,048	3.13	3,279	165	5	3,440	684	17.7	2,285	276
1996	1,100	3.11	3,420	200	5	3,620	734	19.0	2,470	271
1992-96 avg.	1,116	2.78	3,101	374	33	3,428	533	13.8	2,411	294
1998	1,086	2.98	3,240	151	5	3,390	768	19.8	2,139	240
1999	1,092	2.99	3,267	163	5	3,423	778	20.0	2,157	243
2000	1,095	3.01	3,301	191	5	3,485	788	20.1	2,174	245
2001	1,095	3.03	3,321	175	5	3,489	798	20.3	2,193	247
2002	1,096	3.05	3,340	195	5	3,527	808	20.5	2,216	250
2003	1,092	3.07	3,348	220	5	3,561	819	20.7	2,233	252
2004	1,113	3.09	3,442	251	5	3,680	829	20.9	2,328	261
2005	1,114	3.10	3,454	282	5	3,728	840	21.0	2,358	264
Russia										
1992	14,564	1.85	26,989	2,270	100	28,368	5,650	38.0	22,718	980
1993	15,500	1.74	26,900	400	185	27,041	5,750	38.8	21,291	1,054
1994	16,404	1.65	27,000	584	1,500	24,711	5,651	38.1	19,060	2,427
1995	14,710	1.07	15,800	800	300	18,202	4,657	31.4	13,545	525
1996	11,500	1.38	15,900	300	500	15,900	4,500	30.4	11,400	325
1992-96 avg.	14,536	1.55	22,518	871	517	22,844	5,242	35.4	17,603	1,062
1998	12,070	1.51	18,226	188	250	18,006	5,054	34.2	11,768	1,382
1999	12,138	1.52	18,479	150	412	18,270	5,123	34.6	11,946	1,329
2000	12,127	1.54	18,649	150	501	18,356	5,171	34.9	11,972	1,271
2001	12,077	1.55	18,735	150	562	18,383	5,198	35.1	11,968	1,211
2002	12,012	1.56	18,772	150	584	18,399	5,211	35.1	11,967	1,150
2003	11,964	1.58	18,870	150	571	18,503	5,238	35.2	12,038	1,096
2004	11,967	1.59	19,051	200	679	18,619	5,288	35.5	12,093	1,049
2005	12,031	1.61	19,331	200	851	18,720	5,365	36.0	12,099	1,009

Continued—

Table 16—Barley supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
						1,000 ha	Tons/ha	----- 1,000 tons -----		
Saudi Arabia										
1992	60	6.77	406	3,917	0	6,011	211	12.1	5,800	3,250
1993	174	6.32	1,100	4,497	0	5,900	200	11.1	5,700	2,947
1994	317	6.39	2,025	3,002	0	5,800	200	10.7	5,600	2,174
1995	188	6.38	1,200	2,900	0	4,950	200	10.3	4,750	1,324
1996	78	5.77	450	5,000	0	5,300	200	10.0	5,100	1,474
1992-96 avg.	163	6.34	1,036	3,863	0	5,592	202	10.8	5,390	2,234
1998	134	6.41	857	4,420	0	5,643	214	9.9	5,429	863
1999	136	6.40	873	4,720	0	5,780	222	10.0	5,552	676
2000	140	6.41	896	5,273	0	5,901	233	10.1	5,670	944
2001	142	6.42	910	5,537	0	5,959	240	10.1	5,725	1,432
2002	144	6.43	928	5,562	0	6,174	242	9.9	5,933	1,748
2003	149	6.43	959	5,581	0	6,465	251	9.8	6,216	1,823
2004	154	6.44	991	5,676	0	6,691	259	9.8	6,429	1,799
2005	159	6.45	1,022	5,810	0	6,932	266	9.8	6,667	1,699
Slovakia										
1992	251	4.13	1,037	75	27	1,073	370	69.6	703	67
1993	247	3.34	825	45	0	866	308	57.7	558	71
1994	240	3.72	893	0	40	849	279	52.1	570	75
1995	234	3.39	794	0	0	800	300	55.8	500	69
1996	230	3.26	750	0	0	750	300	55.6	450	69
1992-96 avg.	240	3.58	860	24	13	868	311	58.2	556	70
1998	224	3.81	852	93	0	939	339	62.3	601	197
1999	223	3.82	850	99	0	950	345	63.0	605	197
2000	225	3.83	860	109	0	968	351	63.7	600	198
2001	224	3.84	859	109	0	963	357	64.5	606	203
2002	225	3.83	861	119	0	973	364	65.3	610	210
2003	220	3.84	846	157	0	999	370	66.1	629	214
2004	221	3.85	849	182	0	1,024	376	66.9	648	221
2005	219	3.85	843	193	0	1,036	383	67.8	654	221
Taiwan										
1992	0	0.00	0	242	0	242	0	0.0	150	0
1993	0	0.00	0	539	0	539	0	0.0	400	0
1994	0	0.00	0	306	0	306	0	0.0	175	0
1995	0	0.00	0	215	0	215	0	0.0	130	0
1996	0	0.00	0	300	0	300	0	0.0	225	0
1992-96 avg.	0	0.00	0	320	0	320	0	0.0	216	0
1998	0	0.00	0	284	0	281	0	0.0	253	0
1999	0	0.00	0	286	0	286	0	0.0	255	0
2000	0	0.00	0	290	0	290	0	0.0	259	0
2001	0	0.00	0	294	0	294	0	0.0	262	0
2002	0	0.00	0	297	0	297	0	0.0	264	0
2003	0	0.00	0	301	0	301	0	0.0	267	0
2004	0	0.00	0	305	0	305	0	0.0	270	0
2005	0	0.00	0	308	0	308	0	0.0	273	0
Tunisia										
1992	503	1.13	570	5	0	605	100	11.7	505	110
1993	400	0.40	160	432	0	602	16	1.8	586	100
1994	250	0.58	145	350	0	550	40	4.5	520	45
1995	200	0.40	80	234	0	314	50	5.5	264	45
1996	700	1.21	850	250	0	925	45	4.9	825	220
1992-96 avg.	411	0.88	361	254	0	599	50	5.7	540	104
1998	453	0.71	322	327	0	647	48	5.0	600	134
1999	458	0.72	328	324	0	652	49	5.1	603	134
2000	463	0.72	335	322	0	656	51	5.2	606	135
2001	468	0.73	342	319	0	661	52	5.2	609	135
2002	471	0.74	348	317	0	666	54	5.3	612	134
2003	476	0.75	355	316	0	671	56	5.4	615	135
2004	481	0.75	362	314	0	675	57	5.5	618	136
2005	485	0.76	369	312	0	680	59	5.6	621	137

Continued—

Table 16—Barley supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----					Kgs.	--- 1,000 tons ---	
Turkey										
1992	3,440	1.89	6,500	55	580	5,800	800	13.5	5,000	508
1993	3,550	2.06	7,300	157	534	6,073	800	13.3	5,273	1,358
1994	3,500	1.86	6,500	53	1,022	6,289	789	12.8	5,500	600
1995	3,550	1.94	6,900	150	25	6,575	800	12.8	5,775	1,050
1996	3,750	2.00	7,500	100	750	6,850	800	12.6	6,050	1,050
1992-96 avg.	3,558	1.95	6,940	103	582	6,317	798	13.0	5,520	913
1998	3,581	1.97	7,047	469	339	7,226	771	11.8	6,455	723
1999	3,611	1.98	7,141	576	330	7,332	767	11.5	6,570	778
2000	3,641	1.99	7,236	636	321	7,370	761	11.3	6,617	959
2001	3,662	2.00	7,315	622	313	7,430	756	11.0	6,684	1,153
2002	3,677	2.01	7,382	737	304	7,586	753	10.8	6,840	1,382
2003	3,699	2.02	7,464	862	296	7,702	747	10.6	6,958	1,710
2004	3,721	2.03	7,546	1,001	288	7,849	740	10.3	7,110	2,120
2005	3,743	2.04	7,628	1,133	280	7,971	732	10.1	7,239	2,630
Ukraine										
1992	3,451	2.93	10,106	325	180	10,319	1,725	33.5	8,594	553
1993	4,215	3.21	13,550	0	275	11,729	1,825	35.5	9,904	2,099
1994	5,092	2.85	14,508	0	190	14,326	1,483	29.0	12,843	2,091
1995	4,413	2.18	9,633	0	200	10,133	1,343	26.4	8,790	1,391
1996	3,750	1.52	5,700	0	100	6,400	1,340	26.4	5,060	591
1992-96 avg.	4,184	2.56	10,699	65	189	10,581	1,543	30.2	9,038	1,345
1998	3,512	2.60	9,142	0	323	8,825	1,395	27.7	6,836	586
1999	3,529	2.65	9,346	100	389	9,072	1,426	28.3	7,039	571
2000	3,532	2.71	9,563	150	460	9,271	1,459	29.0	7,192	553
2001	3,524	2.76	9,740	150	515	9,396	1,486	29.5	7,279	532
2002	3,504	2.82	9,874	150	573	9,475	1,507	30.0	7,328	508
2003	3,495	2.88	10,058	150	633	9,595	1,534	30.6	7,410	488
2004	3,496	2.94	10,276	150	695	9,749	1,567	31.2	7,516	470
2005	3,509	3.00	10,533	200	830	9,920	1,605	32.0	7,633	453
Other Central & Eastern Europe										
1992	1,108	3.02	3,345	734	214	3,865	665	11.7	3,200	130
1993	1,262	2.44	3,075	873	0	3,748	880	15.6	2,775	330
1994	1,359	2.42	3,283	75	190	3,348	640	11.4	2,710	150
1995	1,180	3.08	3,630	27	330	3,252	602	10.8	2,650	225
1996	1,030	2.26	2,330	50	50	2,280	630	11.3	1,650	275
1992-96 avg.	1,188	2.64	3,133	352	157	3,299	683	12.2	2,597	222
1998	1,210	2.72	3,286	19	230	3,077	795	14.3	2,282	262
1999	1,240	2.74	3,394	19	307	3,104	803	14.4	2,302	264
2000	1,258	2.76	3,476	24	389	3,111	818	14.6	2,289	265
2001	1,264	2.78	3,514	20	424	3,110	826	14.7	2,284	265
2002	1,259	2.79	3,511	20	451	3,082	826	14.7	2,256	263
2003	1,248	2.81	3,501	20	453	3,069	825	14.7	2,244	261
2004	1,236	2.82	3,489	20	443	3,066	826	14.6	2,240	261
2005	1,229	2.84	3,491	20	442	3,069	828	14.7	2,241	261
Other Former Soviet Union										
1992	9,165	1.67	15,311	1,997	1,930	14,541	2,540	27.5	12,001	2,075
1993	10,321	1.41	14,534	1,064	571	14,688	2,451	26.4	12,237	2,414
1994	9,228	1.26	11,588	1,072	574	12,421	2,341	25.1	10,080	2,079
1995	7,639	1.00	7,632	600	500	8,803	2,055	21.9	6,748	1,008
1996	6,149	1.35	8,303	575	100	8,820	2,214	23.5	6,841	1,066
1992-96 avg.	8,500	1.35	11,474	1,062	735	11,855	2,320	24.9	9,581	1,728
1998	6,507	1.31	8,554	815	200	9,074	2,401	25.1	6,116	855
1999	6,515	1.32	8,621	743	225	9,132	2,421	25.0	6,151	862
2000	6,518	1.34	8,739	742	300	9,169	2,454	25.1	6,147	874
2001	6,497	1.36	8,816	751	300	9,259	2,477	25.1	6,210	882
2002	6,457	1.37	8,862	743	300	9,301	2,491	25.0	6,234	886
2003	6,439	1.39	8,956	766	300	9,412	2,517	25.0	6,314	896
2004	6,441	1.41	9,086	763	300	9,536	2,553	25.1	6,392	909
2005	6,469	1.43	9,259	722	300	9,664	2,601	25.3	6,461	926

Continued—

Table 16—Barley supply and use projections—cont'd

						Consumption			Feed	Ending stocks
	Area	Yield	Production	Imports	Exports	Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			Kgs.			--- 1,000 tons ---	
Other North Africa and Middle East										
1992	6,341	5.13	4,070	2,618	117	6,708	2,239	14.1	4,469	1,038
1993	6,274	5.40	4,518	2,636	264	7,151	2,330	14.3	4,798	777
1994	6,367	6.26	7,020	1,907	745	7,054	2,464	14.7	4,590	1,905
1995	5,159	5.24	4,056	1,255	975	5,879	2,320	13.5	3,103	362
1996	5,823	6.49	7,021	1,915	625	6,841	2,555	14.5	4,286	1,832
1992-96 avg.	5,993	5.76	5,337	2,066	545	6,727	2,382	14.2	4,249	1,183
1998	6,032	5.86	5,396	2,125	273	7,160	2,566	13.8	4,595	1,817
1999	6,143	5.90	5,538	2,140	268	7,330	2,625	13.8	4,705	1,897
2000	6,239	5.94	5,672	2,154	263	7,492	2,691	13.8	4,802	1,968
2001	6,321	5.98	5,788	2,201	257	7,687	2,760	13.8	4,924	2,013
2002	6,381	6.02	5,880	2,255	252	7,876	2,832	13.8	5,045	2,020
2003	6,448	6.06	5,992	2,328	247	8,075	2,899	13.8	5,177	2,018
2004	6,540	6.11	6,137	2,400	242	8,285	2,964	13.8	5,320	2,028
2005	6,649	6.15	6,300	2,453	237	8,472	3,025	13.8	5,448	2,072
Other South America										
1992	655	1.83	1,199	127	135	1,214	794	5.7	420	106
1993	630	1.67	1,051	263	100	1,236	976	6.9	270	84
1994	563	1.74	978	344	61	1,265	913	6.3	275	80
1995	633	1.68	1,065	358	50	1,418	876	6.0	285	35
1996	603	1.78	1,075	311	50	1,351	866	5.8	285	20
1992-96 avg.	617	1.74	1,074	281	79	1,297	885	6.1	307	65
1998	608	1.83	1,111	247	95	1,263	933	6.1	330	24
1999	611	1.86	1,136	250	87	1,299	960	6.2	340	24
2000	614	1.89	1,162	257	93	1,326	992	6.3	333	24
2001	616	1.93	1,189	261	101	1,349	1,023	6.4	327	24
2002	621	1.97	1,222	266	106	1,382	1,051	6.5	331	24
2003	627	2.00	1,255	269	109	1,414	1,078	6.5	337	24
2004	634	2.04	1,295	273	108	1,460	1,108	6.6	352	24
2005	641	2.08	1,331	275	106	1,500	1,139	6.7	362	24

Table 17—Sorghum supply and use projections

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	- - - 1,000 tons - - -		
World										
1992	41,391	1.58	65,387	8,748	9,406	61,809	24,772	4.5	34,891	9,398
1993	38,939	1.44	55,891	7,099	7,151	61,208	26,690	4.8	33,152	4,081
1994	41,149	1.41	58,182	6,221	6,523	58,150	24,581	4.4	32,244	4,113
1995	39,494	1.40	55,460	6,069	6,691	56,911	25,262	4.4	29,977	2,662
1996	41,473	1.60	66,187	6,498	6,650	64,568	26,513	4.6	36,840	4,281
1992-96 avg.	40,489	1.49	60,221	6,927	7,284	60,529	25,564	4.6	33,421	4,907
1998	41,248	1.52	62,882	7,516	7,516	62,488	27,003	4.6	33,882	4,754
1999	41,501	1.53	63,560	7,667	7,667	63,675	27,443	4.6	34,493	4,639
2000	41,472	1.55	64,124	7,888	7,888	64,007	27,751	4.6	34,460	4,756
2001	41,705	1.57	65,365	7,936	7,936	65,620	28,152	4.6	35,699	4,501
2002	41,876	1.59	66,543	8,116	8,116	66,690	28,577	4.6	36,277	4,354
2003	42,109	1.61	67,788	8,351	8,351	67,931	29,057	4.6	37,198	4,211
2004	42,338	1.63	68,907	8,620	8,620	68,912	29,450	4.6	37,932	4,206
2005	42,475	1.64	69,808	8,734	8,734	69,684	29,786	4.6	38,391	4,330
United States										
1992	4,876	4.56	22,227	0	7,041	12,091	155	0.6	11,936	4,446
1993	3,608	3.76	13,569	0	5,120	11,687	160	0.6	11,527	1,208
1994	3,609	4.57	16,491	0	5,657	10,223	147	0.6	10,076	1,819
1995	3,350	3.49	11,694	0	5,025	8,021	127	0.5	7,894	467
1996	4,816	4.24	20,396	0	5,715	13,437	127	0.5	13,310	1,711
1992-96 avg.	4,052	4.16	16,875	0	5,712	11,092	143	0.5	10,949	1,930
1998	4,128	4.28	17,654	0	6,731	11,024	102	0.4	10,923	2,845
1999	4,047	4.33	17,527	0	6,985	10,770	102	0.4	10,669	2,616
2000	3,966	4.36	17,273	0	7,239	10,643	102	0.4	10,542	2,007
2001	3,966	4.39	17,400	0	7,239	10,389	102	0.4	10,288	1,778
2002	3,966	4.42	17,527	0	7,366	10,262	102	0.4	10,161	1,676
2003	3,966	4.48	17,781	0	7,620	10,262	102	0.4	10,161	1,575
2004	3,966	4.52	17,908	0	7,874	10,135	102	0.4	10,034	1,473
2005	4,047	4.55	18,416	0	8,001	10,262	102	0.4	10,161	1,626
Argentina										
1992	717	3.95	2,830	0	1,048	1,754	154	4.6	1,600	440
1993	647	3.51	2,270	0	425	1,885	110	3.2	1,775	400
1994	468	3.53	1,650	0	192	1,608	100	2.9	1,508	250
1995	632	3.32	2,100	0	800	1,350	100	2.9	1,250	200
1996	650	3.85	2,500	0	600	1,850	50	1.4	1,800	250
1992-96 avg.	623	3.64	2,270	0	613	1,689	103	3.0	1,587	308
1998	537	3.60	1,932	0	334	1,604	50	1.4	1,554	192
1999	536	3.64	1,950	0	240	1,708	50	1.4	1,658	194
2000	523	3.68	1,923	0	216	1,710	50	1.4	1,660	190
2001	520	3.74	1,944	0	241	1,701	50	1.4	1,651	193
2002	518	3.78	1,958	0	283	1,673	50	1.3	1,623	195
2003	522	3.81	1,990	0	286	1,701	50	1.3	1,651	198
2004	534	3.87	2,065	0	305	1,753	50	1.3	1,703	206
2005	542	3.92	2,123	0	311	1,806	50	1.3	1,756	212
Australia										
1992	434	1.28	557	0	62	495	2	0.1	493	90
1993	493	1.89	931	238	506	653	3	0.2	650	100
1994	686	1.85	1,272	44	50	1,266	34	1.9	1,232	100
1995	652	2.38	1,555	0	600	955	30	1.6	925	100
1996	500	2.00	1,000	0	100	900	25	1.4	875	100
1992-96 avg.	553	1.92	1,063	56	264	854	19	1.0	835	98
1998	571	2.11	1,204	0	199	1,004	54	2.9	950	99
1999	580	2.11	1,221	0	197	1,022	54	2.8	968	101
2000	569	2.12	1,206	0	190	1,017	54	2.8	963	100
2001	581	2.12	1,230	0	214	1,016	54	2.8	962	100
2002	578	2.12	1,223	0	228	996	55	2.8	942	99
2003	572	2.13	1,216	0	207	1,008	55	2.8	953	100
2004	587	2.13	1,247	0	205	1,039	55	2.8	984	102
2005	600	2.12	1,275	0	190	1,081	55	2.8	1,026	107

Continued—

Table 17—Sorghum supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
China										
1992	1,300	3.65	4,740	0	391	4,585	1,247	1.1	3,338	700
1993	1,340	4.11	5,511	0	245	5,416	2,006	1.7	3,410	550
1994	1,370	4.60	6,300	18	188	6,355	1,403	1.2	4,952	325
1995	1,216	3.91	4,755	0	31	4,924	1,300	1.1	3,624	125
1996	1,235	4.05	5,000	0	50	4,950	1,450	1.2	3,500	125
1992-96 avg.	1,292	4.07	5,261	4	181	5,246	1,481	1.2	3,765	365
1998	1,192	4.91	5,850	0	21	5,827	1,399	1.1	4,428	250
1999	1,199	5.00	5,997	0	15	5,976	1,388	1.1	4,588	256
2000	1,213	5.09	6,178	0	11	6,159	1,385	1.1	4,774	264
2001	1,227	5.18	6,360	0	9	6,343	1,383	1.1	4,960	272
2002	1,235	5.27	6,509	0	7	6,496	1,380	1.1	5,116	278
2003	1,241	5.35	6,641	0	6	6,629	1,375	1.1	5,254	284
2004	1,244	5.43	6,760	0	5	6,750	1,370	1.1	5,380	289
2005	1,246	5.51	6,869	0	4	6,861	1,362	1.0	5,499	293
India										
1992	13,041	0.98	12,806	0	80	12,227	9,604	10.6	1,400	799
1993	12,880	0.89	11,410	0	250	11,659	8,993	9.8	1,500	300
1994	12,800	0.72	9,200	0	60	9,340	7,106	7.6	1,300	100
1995	11,440	0.83	9,550	0	25	9,550	7,208	7.6	1,500	100
1996	11,700	0.90	10,500	0	20	10,280	8,220	8.5	1,500	300
1992-96 avg.	12,372	0.86	10,693	0	87	10,611	8,226	8.8	1,440	320
1998	12,592	0.86	10,832	0	0	10,829	8,064	8.1	1,676	303
1999	12,671	0.86	10,957	0	0	10,953	8,076	8.0	1,787	307
2000	12,619	0.87	10,990	0	0	10,989	8,020	7.8	1,886	308
2001	12,515	0.88	11,011	0	0	11,011	7,955	7.6	1,981	308
2002	12,414	0.89	11,042	0	0	11,041	7,894	7.5	2,081	309
2003	12,334	0.90	11,088	0	0	11,087	7,841	7.3	2,187	310
2004	12,254	0.91	11,130	0	0	11,128	7,783	7.2	2,295	312
2005	12,182	0.92	11,180	0	0	11,179	7,728	7.0	2,407	313
Japan										
1992	0	0.00	0	3,221	0	3,210	0	0.0	3,210	462
1993	0	0.00	0	2,852	0	3,000	0	0.0	3,000	314
1994	0	0.00	0	2,407	0	2,650	0	0.0	2,650	71
1995	0	0.00	0	2,298	0	2,198	0	0.0	2,198	171
1996	0	0.00	0	3,250	0	3,150	0	0.0	3,150	271
1992-96 avg.	0	0.00	0	2,806	0	2,842	0	0.0	2,842	258
1998	0	0.00	0	2,850	0	2,781	0	0.0	2,781	245
1999	0	0.00	0	2,894	0	2,888	0	0.0	2,888	251
2000	0	0.00	0	2,957	0	2,953	0	0.0	2,953	255
2001	0	0.00	0	2,840	0	2,835	0	0.0	2,835	260
2002	0	0.00	0	2,790	0	2,799	0	0.0	2,799	251
2003	0	0.00	0	2,764	0	2,769	0	0.0	2,769	246
2004	0	0.00	0	2,752	0	2,755	0	0.0	2,755	244
2005	0	0.00	0	2,742	0	2,743	0	0.0	2,743	243
Mexico										
1992	1,030	3.00	3,088	4,021	0	7,409	0	0.0	7,359	591
1993	1,032	2.92	3,018	3,089	0	6,307	0	0.0	6,307	391
1994	1,000	3.00	3,000	2,544	0	5,644	0	0.0	5,644	291
1995	1,733	3.21	5,568	1,765	0	6,900	0	0.0	6,900	724
1996	2,000	3.00	6,000	2,100	0	7,900	0	0.0	7,900	924
1992-96 avg.	1,359	3.04	4,135	2,704	0	6,832	0	0.0	6,822	584
1998	1,634	3.00	4,902	3,383	0	8,221	0	0.0	8,221	395
1999	1,675	3.02	5,059	3,483	0	8,524	0	0.0	8,524	413
2000	1,709	3.04	5,192	3,665	0	8,839	0	0.0	8,839	431
2001	1,742	3.04	5,304	3,847	0	9,133	0	0.0	9,133	449
2002	1,774	3.05	5,411	4,087	0	9,478	0	0.0	9,478	469
2003	1,807	3.06	5,524	4,355	0	9,856	0	0.0	9,856	492
2004	1,842	3.06	5,643	4,641	0	10,260	0	0.0	10,260	516
2005	1,876	3.07	5,767	4,748	0	10,500	0	0.0	10,500	531

Continued—

Table 17—Sorghum supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----				Kgs.	--- 1,000 tons ---		
Saudi Arabia										
1992	180	1.31	235	41	0	235	0	0.0	235	25
1993	185	1.32	245	9	0	254	0	0.0	254	25
1994	200	1.25	250	50	0	275	0	0.0	275	31
1995	200	1.25	250	50	0	250	0	0.0	250	30
1996	180	1.11	200	50	0	200	0	0.0	200	25
1992-96 avg.	189	1.25	236	40	0	243	0	0.0	243	27
1998	189	1.29	244	50	0	286	0	0.0	286	63
1999	191	1.31	250	50	0	297	0	0.0	297	66
2000	193	1.33	257	50	0	311	0	0.0	311	62
2001	195	1.35	263	50	0	321	0	0.0	321	54
2002	198	1.37	272	50	0	333	0	0.0	333	43
2003	203	1.39	282	50	0	351	0	0.0	351	25
2004	211	1.43	301	50	0	364	0	0.0	364	11
2005	223	1.46	325	50	0	379	0	0.0	379	8
South Africa										
1992	170	2.52	428	6	0	434	128	3.2	306	0
1993	161	2.68	432	10	0	432	100	2.5	332	0
1994	143	1.68	240	13	0	253	90	2.2	163	0
1995	174	2.56	445	0	0	445	110	2.6	335	0
1996	160	2.34	375	0	0	375	100	2.4	275	0
1992-96 avg.	162	2.38	384	6	0	388	106	2.6	282	0
1998	168	2.47	414	2	0	418	111	2.5	307	0
1999	168	2.48	417	11	0	428	112	2.5	316	0
2000	169	2.49	422	9	0	431	113	2.5	317	0
2001	170	2.51	426	8	0	434	115	2.5	319	0
2002	171	2.53	433	7	0	440	117	2.5	323	0
2003	173	2.55	441	8	0	449	119	2.5	331	0
2004	175	2.57	450	8	0	458	120	2.5	338	0
2005	176	2.59	458	11	0	469	121	2.5	348	0
Sub-Saharan Africa										
1992	17,222	0.80	13,846	48	520	12,920	12,735	25.0	160	1,456
1993	16,178	0.86	13,916	180	263	14,739	14,536	27.7	178	550
1994	18,508	0.85	15,727	159	235	15,201	14,958	27.7	215	1,000
1995	17,713	0.87	15,445	84	100	15,804	15,539	27.9	220	625
1996	17,789	0.90	16,020	82	50	16,227	15,665	27.4	215	450
1992-96 avg.	17,482	0.86	14,991	111	234	14,978	14,687	27.1	198	816
1998	18,519	0.89	16,551	123	125	16,530	16,306	26.9	224	668
1999	18,713	0.91	16,975	123	125	16,956	16,729	26.9	224	685
2000	18,797	0.92	17,311	126	125	17,298	17,071	26.7	224	699
2001	18,996	0.94	17,772	129	125	17,758	17,527	26.6	224	717
2002	19,201	0.95	18,260	130	125	18,245	18,014	26.6	225	737
2003	19,448	0.97	18,782	132	125	18,768	18,534	26.7	225	758
2004	19,652	0.98	19,216	134	125	19,207	18,970	26.6	225	776
2005	19,799	0.99	19,572	149	125	19,581	19,344	26.4	226	791
Taiwan										
1992	26	4.23	110	12	0	127	0	0.0	75	54
1993	26	4.23	110	30	0	135	0	0.0	85	59
1994	26	4.23	110	29	0	188	0	0.0	155	10
1995	15	4.33	65	89	0	154	0	0.0	124	10
1996	15	4.33	65	30	0	95	0	0.0	65	10
1992-96 avg.	22	4.26	92	38	0	140	0	0.0	101	29
1998	20	3.87	78	50	0	181	0	0.0	181	46
1999	20	3.86	78	50	0	122	0	0.0	122	51
2000	19	3.86	74	50	0	122	0	0.0	122	53
2001	18	3.86	70	50	0	117	0	0.0	117	56
2002	17	3.85	67	50	0	114	0	0.0	114	59
2003	16	3.87	64	50	0	111	0	0.0	111	62
2004	16	3.86	60	50	0	107	0	0.0	107	65
2005	15	3.87	57	50	0	104	0	0.0	104	68

Continued—

Table 17—Sorghum supply and use projections—cont'd

	Area	Yield	Production	Imports	Exports	Consumption			Feed	Ending stocks
						Total	Food	Food/cap		
	1,000 ha	Tons/ha	----- 1,000 tons -----			----- Kgs. -----			--- 1,000 tons ---	
Other North Africa and Middle East										
1992	611	1.82	1,109	645	0	1,734	459	1.6	1,275	134
1993	651	1.93	1,254	81	0	1,409	474	1.7	935	60
1994	660	1.88	1,244	214	0	1,460	444	1.5	1,016	58
1995	637	2.00	1,272	433	0	1,705	462	1.5	1,243	58
1996	640	1.93	1,235	300	0	1,535	450	1.5	1,085	58
1992-96 avg.	642	1.88	1,206	426	0	1,643	440	1.6	1,203	71
1998	640	1.94	1,244	346	0	1,590	440	1.4	1,150	60
1999	633	1.97	1,248	367	0	1,614	450	1.4	1,164	60
2000	628	2.01	1,260	379	0	1,639	453	1.3	1,186	61
2001	621	2.04	1,264	389	0	1,653	452	1.3	1,201	61
2002	613	2.06	1,263	400	0	1,662	447	1.3	1,215	61
2003	606	2.10	1,271	411	0	1,681	447	1.2	1,235	61
2004	601	2.13	1,280	420	0	1,700	446	1.2	1,254	61
2005	596	2.16	1,286	431	0	1,717	447	1.2	1,270	61
Other South America										
1992	653	2.45	1,598	47	17	1,657	22	0.1	1,634	38
1993	620	2.45	1,518	62	43	1,545	16	0.1	1,528	30
1994	589	2.13	1,256	47	31	1,282	18	0.1	1,263	20
1995	606	2.08	1,260	100	25	1,325	18	0.1	1,307	30
1996	685	2.01	1,380	35	25	1,390	96	0.3	1,294	30
1992-96 avg.	631	2.22	1,402	58	28	1,440	34	0.1	1,405	30
1998	648	2.12	1,372	50	22	1,399	125	0.4	1,274	31
1999	654	2.14	1,403	47	23	1,426	123	0.4	1,303	31
2000	651	2.19	1,424	46	24	1,445	140	0.5	1,305	32
2001	651	2.22	1,445	47	25	1,466	146	0.5	1,321	33
2002	644	2.24	1,444	49	25	1,468	145	0.5	1,323	33
2003	634	2.29	1,448	50	26	1,472	157	0.5	1,315	33
2004	628	2.33	1,462	52	26	1,487	172	0.6	1,315	34
2005	625	2.36	1,477	56	25	1,507	190	0.6	1,317	35