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Germany

Dairy and Products

Semi-Annual

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Report Highlights:
German milk production stagnates at about 28.3 million tons in 2001. As a general trend but also in particular in reaction to the BSE crisis, demand and production of cheese are improving strongly. Also domestic prices for dairy products are being increased as result of the increased demand for dairy products.

Includes PSD changes: Yes
Includes Trade Matrix: Yes
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Executive Summary

German production of milk in MY 2000/01 is estimated at 28.3 million metric tons harvested from 14.48 million cows. Cow numbers are continuously shrinking by one to three percent annually. This reduction is compensated by improving milk yields.

BSE did not have any measurable impact on German dairy production. Its impact is only recordable in consumer reactions. Demand and consequently retail prices for cheese products have been improving significantly since December 2000. Also the political focus on quality food production of the new Federal Minister for Consumer Protection, Food and Agriculture seems to make possible noticeable upward price adjustments for food in German retail stores. Price increases for milk of up to 20 percent have been announced by the retail chains.

Due to the increased demand for cheese, annual production is forecast to grow by about five percent in MY 2001/02 which will be mainly at the expense of butter and dry milk production.

Production

Milk production in MY 2000/01 (April/March) is estimated at **28.3 million metric tons** of which 27.0 MMT have been delivered to dairies. This represents a marginal decrease of 0.2 pct over 1999/2000. The national production quota has been oversupplied by 200k to 230k tons. For the new MY 2001/02, milk production is forecast at a constant high level. Despite of a late start of the grazing season this year, milk deliveries to dairies started at a somewhat higher level in April 2001 compared to April 2000. Cool temperatures and excessive rains delayed vegetation by about two to three weeks.

The German Market and Price Reporting Board ZMP estimates that EU-wide milk deliveries to dairies dropped by 775,000 tons to 114.282 million in MY 2000/01, particularly due to the developments in the United Kingdom.

The impact of BSE on milk production in Germany is rather limited. However, because of the breaking away of the beef markets cow slaughter dropped drastically. Cows had to be kept on the farm longer than normal during the months of January through April. Most of the milk produced from these cows were then fed to calves replacing the traditional milk replacer feeds. The EU program for destruction which was started relatively late on March 26 and was then soon hindered by transportation limitation requirements resulting from FMD prevention measures. The total number of cattle which were put under the EU destruction is estimated at a maximum of 50,000 head which compares to an intended 400,000. In addition to the FMD induced transportation difficulties, EU-wide increasing demand for beef - beginning in April - made it also less attractive for farmers to participate in the destruction program. Besides all these difficulties, restocking of dairy herds was also hindered by FMD and might potentially slow down milk production. Breeding stock animals could simply no longer be marketed since livestock transportation was only permitted for shipments to the slaughterhouse.

The German Federal Ministry of Agriculture (since January 2001 listed as the Federal Consumers' Ministry) reports an increase of 2.3 pct in the manufacture of **fresh milk products** - such as sour milk, yoghurt and milk mix drinks - to a total of **2.733 million tons** in CY 2000. The production of all types of **cheese** improved by 5.8 pct to an estimated **1.957 million tons**. Production of **butter** dropped by 0.5 pct to **424,897 tons**. Milk fat is increasingly needed for the production of cheese.

Consumption

Demand for dairy products in total is continuously progressing in Germany, however, demand for fresh milk is stagnating or slowly shrinking. Instead consumers are increasingly asking for milk mix drinks. Also so-called functional food items such as pro-biotic yoghurt drinks are favored by many consumers. Immense promotion campaigns by the producing companies spurred this trend. The milk market is particularly taking advantage of increasing demand for cheese. Especially the BSE crisis supported the demand for cheese. Consumers turned away from meat and sausage products and partly replaced them with all the different types of cheese. Milk in general has a very positive reputation but consumers wish to get something more than just plain milk. It has to be a modern product or requires at least modern marketing to improve demand.

With the new German Agminister Renate Kuenast, a member of the Green Party, public discussion soon concentrated on food prices. Food retail prices are extremely low in Germany compared to neighboring EU countries. It is argued that this low food price level has the potential to contribute to mass instead of class production which includes the potential of food borne health risks. Kuenast lobbies for higher prices for higher quality foods, primarily organically produced foods. This price message was picked up by food retailers to improve their margins. By the beginning of May 2001 some food discounters have started to increase milk and other dairy product prices by up to 20 percent. However, others are advertising that they will keep their prices low. It remains to be seen whether the extremely competitive food retail market will allow for such a strong countrywide price move. Since average profit margins in food retailing are reportedly below one percent, this industry is urgently in need for improved profits.

Trade

German dairy products trade is primarily with EU countries. This is particularly true for raw milk and low-level processed products of which more than 95 percent are traded within the EU. The higher the process level the higher the portion of trade with non-EU countries. This holds true particularly for butter, dry milk, cheese, and casein. Major non-EU country of destination for German cheese, butter and yoghurt is Russia. Arab and far-east countries are important customers for German dry milk products. The most important customer for casein is the United States (US$ 24.8 million in CY 2000) followed by Canada and Japan. German cheese exports to the United States range between two to three percent of total exports, amounting to US$ 27.2 million in CY 2000

Dairy products from the United States are not imported into Germany because of protectionist EU regulations. Except for casein most other imported dairy products originate from EU countries (about 97-100%). About 65 percent of German casein imports originate for non-EU countries, in particular from Ukraine (US$40.8 million or 26% of total) and from New Zealand (US$ 25.6 million or 15%). Besides these two leading countries also Russia and China are important suppliers of casein.

Policy

In reaction to the EU Agenda 2000 of March 1999 Germany put in place a commodity market system for dairy quotas (see GM 0013, pg. 8) The goal of this system is to lower cost for dairy production quotas and to prepare the German dairy market for a transition into a non-quota regulated system in 2006 as laid down in Agenda 2000. Production quotas should only be held by active producers and not by so-called ‘sofa-farmers’. After three bidding sessions with very low participation is not yet possible to evaluate the success of the system. It was noticeable at the last bidding on April 2, 2001, that the traded volume doubled to 22.4 thousand tons annual production quota and prices dropped by 17 percent to DM 1.22 per kilogram milk quota. Highest prices were paid in western Germany with an average of DM 1.39 compared to DM 0.89 in eastern Germany. The next auction will take place on July 1, 2001.

Statistical Section

Table 1: PS+D - Fluid Milk

PSD Table						
Country	Germany					
Commodity	Dairy, Milk, Fluid				(1000 HEAD)(1000 MT)	
	Revised	1999	Preliminary	2000	Forecast	2001
	Old	New	Old	New	Old	New
Market Year Begin		01/1999		01/2000		01/2001
Cows In Milk	4833	4833	4710	4710	4600	4539
Cows Milk Production	28400	28400	28400	28300	28400	28300
Other Milk Production	0	0	0	0	0	0
TOTAL Production	28400	28400	28400	28300	28400	28300
Intra EC Imports	524	524	500	500	500	500
Other Imports	0	0	0	0	0	0
TOTAL Imports	524	524	500	500	500	500
TOTAL SUPPLY	28924	28924	28900	28800	28900	28800
Intra EC Exports	2104	2104	2100	2044	2100	2000
Other Exports	12	12	20	20	20	20
TOTAL Exports	2116	2116	2120	2064	2120	2020
Fluid Use Dom. Consum.	5350	5350	5300	5300	5300	5300
Factory Use Consum.	20098	20098	20120	20076	20120	20080
Feed Use Dom. Consum.	1360	1360	1360	1360	1360	1400
TOTAL Dom. Consumption	26808	26808	26780	26736	26780	26780
TOTAL DISTRIBUTION	28924	28924	28900	28800	28900	28800
Calendar Yr. Imp. from U.S.	0	0	0	0	0	0
Calendar Yr. Exp. to U.S.	0	0	0	0	0	0

Table 2: PS+D - Dry Whole Milk Powder

PSD Table						
Country	Germany					
Commodity	Dairy, Dry Whole Milk Powder				(1000 MT)	
	Revised	1999	Preliminary	2000	Forecast	2001
	Old	New	Old	New	Old	New
Market Year Begin		01/1999		01/2000		01/2001
Beginning Stocks	10	10	10	10	0	0
Production	210	210	215	182	210	180
Intra EC Imports	30	30	35	33	30	30
Other Imports	0	0	0	0	0	0
TOTAL Imports	30	30	35	33	30	30
TOTAL SUPPLY	250	250	260	225	240	210
Intra EC Exports	50	50	65	40	60	30
Other Exports	20	20	30	15	30	20
TOTAL Exports	70	70	95	55	90	50
Human Dom. Consumption	170	170	165	170	150	160
Other Use, Losses	0	0	0	0	0	0
Total Dom. Consumption	170	170	165	170	150	160
TOTAL Use	240	240	260	225	240	210
Ending Stocks	10	10	0	0	0	0
TOTAL DISTRIBUTION	250	250	260	225	240	210
Calendar Yr. Imp. from U.S.	0	0	0	0	0	0
Calendar Yr. Exp. to U.S.	0	0	0	0	0	0

Table 3: PS+D - Nonfat Dry Milk

PSD Table						
Country	Germany					
Commodity	Dairy, Milk, Nonfat Dry				(1000 MT)	
	Revised	1999	Preliminary	2000	Forecast	2001
	Old	New	Old	New	Old	New
Market Year Begin		01/1999		01/2000		01/2001
Beginning Stocks	23	23	20	20	10	16
Production	331	331	300	321	290	300
Intra EC Imports	28	28	35	25	40	30
Other Imports	22	22	15	24	15	14
TOTAL Imports	50	50	50	49	55	44
TOTAL SUPPLY	404	404	370	390	355	360
Intra EC Exports	236	236	230	221	225	220
Other Exports	64	64	45	73	40	40
TOTAL Exports	300	300	275	294	265	260
Human Dom. Consumption	18	18	20	20	18	20
Other Use, Losses	66	66	65	60	62	60
Total Dom. Consumption	84	84	85	80	80	80
TOTAL Use	384	384	360	374	345	340
Ending Stocks	20	20	10	16	10	20
TOTAL DISTRIBUTION	404	404	370	390	355	360
Calendar Yr. Imp. from U.S.	0	0	0	0	0	0
Calendar Yr. Exp. to U.S.	0	0	0	0	0	0

Table 4: PS+D - Butter

PSD Table						
Country	Germany					
Commodity	Dairy, Butter				(1000 MT)	
	Revised	1999	Preliminary	2000	Forecast	2001
	Old	New	Old	New	Old	New
Market Year Begin		01/1999		01/2000		01/2001
Beginning Stocks	9	9	17	17	16	20
Production	427	427	410	427	407	400
Intra EC Imports	171	171	165	156	170	170
Other Imports	5	5	5	5	5	5
TOTAL Imports	176	176	170	161	175	175
TOTAL SUPPLY	612	612	597	605	598	595
Intra EC Exports	36	36	35	33	35	30
Other Exports	11	11	5	14	5	10
TOTAL Exports	47	47	40	47	40	40
Domestic Consumption	548	548	541	538	540	535
TOTAL Use	595	595	581	585	580	575
Ending Stocks	17	17	16	20	18	20
TOTAL DISTRIBUTION	612	612	597	605	598	595
Calendar Yr. Imp. from U.S.	0	0	0	0	0	0
Calendar Yr. Exp. to U.S.	0	0	0	0	0	0

Table 5: PS+D - Cheese

PSD Table						
Country	Germany					
Commodity	Dairy, Cheese				(1000 MT)	
	Revised	1999	Preliminary	2000	Forecast	2001
	Old	New	Old	New	Old	New
Market Year Begin		01/1999		01/2000		01/2001
Beginning Stocks	30	30	30	30	15	15
Production	1006	1006	1046	1095	1060	1150
Intra EC Imports	367	367	375	397	380	400
Other Imports	27	27	20	25	20	20
TOTAL Imports	394	394	395	422	400	420
TOTAL SUPPLY	1430	1430	1471	1547	1475	1585
Intra EC Exports	297	297	308	384	307	395
Other Exports	61	61	95	90	65	80
TOTAL Exports	358	358	403	474	372	475
Human Dom. Consumption	1002	1002	1013	1018	1033	1050
Other Use, Losses	40	40	40	40	40	40
Total Dom. Consumption	1042	1042	1053	1058	1073	1090
TOTAL Use	1400	1400	1456	1532	1445	1565
Ending Stocks	30	30	15	15	30	20
TOTAL DISTRIBUTION	1430	1430	1471	1547	1475	1585
Calendar Yr. Imp. from U.S.	0	0	0	0	0	0
Calendar Yr. Exp. to U.S.	12	12	12	9	10	10

Table 6: Cattle Inventories in Germany (million head, 1,000 breeders)						
December of	1996	1997	1998	1999	2000	% change
Total cattle	15.76	15.23	14.94	14.66	14.48	-1.2
western states	12.88	12.44	12.23	12.01	11.93	-0.7
eastern states	2.88	2.79	2.71	2.65	2.55	-3.8
Milk Cows	5.19	5.03	4.83	4.71	4.54	-3.6
western states	4.15	4.00	3.88	3.80	3.66	-3.7
eastern states	1.04	1.03	0.95	0.91	0.87	-4.4
Cows (beef breeds)	0.59	0.61	0.64	0.69	0.71	2.9
western states	0.39	0.39	0.39	0.41	0.43	4.9
eastern states	0.21	0.22	0.25	0.27	0.28	3.7
Heifers over 1 year	2.92	2.90	2.91	2.82	2.78	-1.4
western states	2.31	2.29	2.31	2.24	2.24	
eastern states	0.61	0.62	0.59	0.58	0.54	-6.9
Calves under 6 months	2.42	2.28	2.19	2.18	2.24	2.8
western states	2.03	1.92	1.82	1.82	1.88	3.3
eastern states	0.39	0.36	0.37	0.36	0.36	
Total milk cow breeders	186	173	164	149	135	-9.4
western states	178	165	157	143	129	-9.8
eastern states	8	8	7	6	6	
Based on November cattle census						
Source: ZMP - Monatsjournal Vieh + Fleisch 1/2001						

Table 7: Production of Fluid Milk Products in Germany (in 1,000 MT)					
	1996	1997	1998	1999	2000
Total Fluid Milk	5,608.4	5,503.4	5,404.1	5,389.9	5,409.0
- Whole Milk	3,451.8	3,327.1	3,291.2	3,215.0	3,191.6
-- Pasteurized Milk	1,923.6	1,800.1	1,779.8	1,683.0	1,687.8
-- UHT Milk	1,523.2	1,525.9	1,510.5	1,530.7	1,501.2
-- Sterilized Milk	5.0	1.2	0.9	1.2	2.6
- Partly Skimmed Milk	2,050.0	2,080.1	2,020.2	2,094.3	2,129.9
-- Pasteurized Milk	243.9	255.6	255.0	269.4	282.8
-- UHT Milk	1,787.8	1,820.3	1,761.4	1,821.4	1,844.0
-- Sterilized Milk	18.2	4.3	3.9	3.5	3.1
- Skimmed Milk	106.6	96.2	92.7	80.6	87.5
-- Pasteurized Milk	3.4	1.5	1.2	1.4	1.2
-- UHT Milk	103.0	94.9	91.6	79.3	86.4
Buttermilk Products	193.4	218.7	210.4	222.2	211.4
Sour Milk + Kefir	151.5	153.4	158.0	160.6	164.0
Yoghurt Products	399.2	337.6	282.9	279.0	278.7
Chocolate Drinks	191.8	191.8	205.5	228.5	226.3
Oth Milk Drinks	118.1	148.0	153.1	182.9	167.9
Oth Milk Mix Products	534.9	531.3	576.7	625.0	650.9
Oth Milk Mix Prods from Yoghurt, Kefir, Sour Milk	877.0	1,081.4	1,183.7	1,195.4	1,244.9
Cream, incl. Coffe Cream	545.3	548.8	544.1	548.1	550.8
Source: BMVEL, Statistischer Monatsbericht					

Table 8: Cheese Production by Type and Variety (in 1,000 MT)					
Type	1995	1996	1997	1998	1999 1/
Emmental	45.3	56.2	57.9	61.6	64.0
Chester (Standard Prod)	47.3	48.6	53.4	47.0	46.2
oth Hard Cheeses 2/	82.3	88.9	71.9	74.7	70.8
Total hard Cheese	174.9	193.7	183.2	183.3	180.9
Tilsit	26.6	27.4	31.5	33.8	31.7
Edam Total	148.1	149.2	153.9	151.6	143.2
- 30% Fat	36.3	34.5	30.2	29.8	26.6
- 40% Fat	110.2	113.4	121.8	119.8	114.1
Gouda	84.8	109.9	148.3	141.1	120.3
oth Sliced Cheese	105.5	128.4	121.7	134.0	149.8
Total Sliced Cheese	365.0	415.0	455.4	460.6	444.1
All Blue-Vein	6.2	7.0	7.4	6.7	7.3
Butter Cheese	18.9	20.2	23.1	23.8	24.3
oth Semi-Hard Sliced Cheese	13.4	12.9	14.6	15.2	18.9
Total Semi-Sliced Cheese	38.4	40.0	45.1	45.7	50.5
Total Camenbert	31.7	31.5	33.1	30.9	28.5
- 30-45% Fat	14.6	15.0	14.9	14.0	12.8
- 45-50% Fat	7.7	6.6	9.2	9.6	9.3
- 50% Fat + more	9.4	10.0	9.0	7.3	6.3
Brie	4.1	3.7	3.2	2.4	1.9
Romadur	1.9	1.9	1.9	1.8	1.7
Limburger	7.5	7.4	7.5	8.6	8.3
Muensterkaese	0.3	0.3	0.3	0.3	0.3
oth Soft Cheese	57.6	63.6	75.9	74.4	96.8
- 40-45% Fat	8.8	11.6	6.8	6.8	7.7
Total Soft Cheese	103.2	108.5	121.9	128.6	137.4
Soured Milk Cheese	28.9	28.8	28.4	28.9	28.1
Cooked Cheese	5.6	5.6	5.4	5.0	4.6
Total Soured Milk + Cooked Cheese	34.5	34.4	33.9	34.0	32.7
Cream + Double-Cream Fresh Cheese	4.9	5.9	6.9	8.5	13.2
Quark- Curds	354.3	346.8	340.3	330.4	325.1
Schichtkaese	9.5	8.8	8.2	7.6	6.9
Fresh Cheese w/ Fruit	192.0	211.7	219.5	228.2	225.8
Fresh Cheese w/ Herbs	66.3	54.9	59.9	61.7	61.0
oth Fresh Cheese	109.6	110.4	116.6	113.4	116.3
Total Fresh Cheese	736.6	738.5	751.3	749.7	748.4

- less than 20% Fat	306.4	304.9	304.5	602.5	308.9
- 20-40% Fat	235.7	244.3	252.5	257.0	246.7
- 40-45% Fat	103.8	97.6	96.6	95.6	93.8
- over 45% Fat	90.7	91.3	97.7	93.6	96.8
Total Cheeses	1,452.6	1,527.4	1,590.8	1,601.9	1,594.0
Source: ZMP Dairy Review 2000					
1/ Preliminary					
2/ oth Chester + Emmental Produced from Pasteurized Milk					

Table 9: Butter Production in Dairies by Type (in 1,000 MT)						
	1995	1996	1997	1998	1999 1/	% Change
Branded Butter, Sweet Cream	53.8	46.8	41.8	41.0	43.8	6.8
Branded Butter, Sour Cream	42.4	37.8	31.6	26.0	23.0	-11.5
Branded Butter, NINO Produce	321.7	326.9	292.4	296.8	292.5	-1.4
oth Butter 2/	5.6	6.1	5.9	5.9	4.5	-23.7
Butter for Cooking 3/	62.7	62.6	70.6	56.9	63.3	11.2
Total	486.2	480.2	442.3	426.4	427.0	0.1
1/ Preliminary						
2/ 2nd Grade + Whey Butter						
3/ incl. Butter Oil Made Directly from Cream						
Source: ZMP Dairy Review 2000						

Table 10: Manufacture of Milk Fat Products and Dairy Spreads (in 1,000 MT)					
	1995	1996	1997	1998	1999 1/
Butter Preparations	9.6	8.6	9.2	8.2	9.4
Spreads	12	13.8	14.9	19.8	25.4
Milk Fat Products	32.3	29.6	31.9	33.9	40.9
1/ Preliminary					
Source: ZMP Dairy Review					

Table 11: Per Capita Consumption of Dairy Products (kg pc)					
	1995	1996	1997	1998	1999 1/
Dairy Sales of Liquid Milk	64.7	62.9	60.7	60.2	61.0
Total Liquid Milk	69.0	66.8	64.4	63.6	64.3
- Whole Milk	45.7	44.5	42.6	42.2	40.6
- Partly Skimmed Milk	19.9	19.1	18.6	18.5	20.2
- Skimmed Milk	0.8	0.7	0.7	0.8	0.7
- Buttermilk Products	2.5	2.5	2.7	2.5	2.8
Fermented Milk + Mixed Milk Drinks	21.9	23.0	23.2	24.7	26.9
- Yoghurt	12.9	13.1	15.1	15.1	15.7
Total Fresh Milk Products	91.0	89.9	87.7	88.3	91.2
- Dairy Sales	83.9	83.0	80.5	80.8	83.7
Hard Cheeses	1.3	1.3	1.3	1.2	1.3
Medium Hard Cheeses	5.9	6.3	6.6	6.7	6.8
Soft Cheeses	1.9	1.9	2.2	2.2	2.3
Boiled Cheeses	0.4	0.4	0.4	0.4	0.4
Cheese Spreads	1.4	1.4	1.3	1.4	1.4
Fresh Cheeses	8.9	8.6	8.7	8.5	8.6
- Curds	4.5	4.4	4.2	4.0	4.0
- other	4.4	4.3	4.5	4.5	4.6
Total	19.8	20.1	20.3	20.4	20.7
Butter	7.1	7.3	7.1	6.8	6.7
1/ Preliminary					
Source: ZMP Dairy Review 2000					

Table 12: Dairy Product Prices												
Milk Prices to Farmers (in DM per 100 KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	56.8	56.2	55.0	53.8	53.2	53.0	53.0	53.9	55.4	57.3	58.1	57.0
2000	56.1	55.6	55.1	54.9	54.8	55.7	57.1	59.0	60.8	62.6	63.8	62.5
2001	60.8	60.2										
Cheese Prices at Dairy - Gouda Koeln (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	6.26	6.12	5.96	5.83	5.70	5.32	5.20	5.20	5.50	5.58	5.73	5.74
2000	5.78	5.78	5.85	5.87	6.03	6.03	6.21	6.28	6.53	6.53	6.68	6.68
2001	6.78	6.78	6.78									
Cheese Prices at Dairy - Emmental												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	8.00	7.96	7.94	7.89	7.71	7.73	7.66	7.75	7.78	7.76	7.78	7.79
2000	7.80	7.82	7.83	7.81	7.82	7.83	7.85	7.95	8.00	8.01	8.07	8.11
2001	8.13	8.19	8.23									
Butter Wholesale Prices at Cologne Market in Bulk (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	6.65	6.46	6.09	6.03	6.03	6.03	6.04	6.08	6.15	6.33	6.40	6.40
2000	6.39	6.33	6.29	6.28	6.28	6.40	6.68	6.85	6.95	6.95	6.90	6.90
2001	6.69	6.53	6.40									
Butter Wholesale Prices at Hanover Market in Bulk - Eastern German Production (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	6.51	6.25	5.88	5.86	5.85	5.85	5.86	5.90	6.02	6.18	6.24	6.25
2000	6.10	5.94	5.90	5.94	5.97	6.15	6.55	6.66	6.75	6.75	6.74	6.66
2001	6.36	6.19	6.18									
Non-Fat Dry Milk Factory Prices - ADMI Extra (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	3.95	3.95	3.96	3.96	3.97	3.97	4.00	4.04	4.14	4.26	4.27	4.31
2000	4.31	4.34	4.38	4.41	4.58	5.11	5.26	5.43	5.46	5.41	5.38	5.36
2001	5.14	4.85	4.72									
Non-Fat Dry Milk Factory Prices - Spray Food Grade (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec

1999	3.74	3.76	3.77	3.75	3.75	3.80	3.87	3.94	4.10	4.19	4.19	4.19
2000	4.19	4.24	4.27	4.21	4.36	4.93	5.11	5.08	5.06	5.12	5.20	5.22
2001	4.99	4.73	4.49									
Whole Milk Powder Factory Prices (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	5.00	4.97	4.94	4.90	4.90	4.90	4.94	5.03	5.05	5.14	5.18	5.19
2000	5.18	5.13	5.12	5.15	5.32	5.49	5.50	5.52	5.78	6.10	6.20	6.17
2001	6.03	5.73	5.65									
Casein, Food Grade, Factory Prices (in DM per KG)												
CY	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1999	7.50	7.30	7.25	7.25	7.10	7.10	7.10	7.20	7.60	7.70	7.85	7.90
2000	8.30	8.45	8.90	9.00	9.50	10.20	10.50	10.50	14.00	14.00	13.50	13.50
2001	12.50											
Source: ZMP												