GENERAL AGREEMENT ON TARIFFS AND TRADE

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Group on Cereals

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SWITZERLAND

The following paper has been received from the delegation of Switzerland in connexion with item (ii) of document TN.64/Ce/W/1.

The enclosed tables 1 to 6 on production, exports/imports and consumption give rise to the following comments:

Cultivated area

The cultivated area has been slightly expanded between 1950 and 1962/65. Since, it is somewhat decreasing. This tendency has continued in the 1964/65 crop year. For the seeding in 1965/66, the prospects are not very favourable at present owing to the delay of this year's grain crop.

Within the grain acreage, certain alterations have arisen. For bread grain, rye has somewhat increased on account of wheat, and for feed grain, barley and maize on account of oats. The latter mentioned tendency may also continue in future, whilst narrow limits exist for the replacement of wheat by rye.

The development of the total cultivated area during the next years may hardly expect a considerable expansion. The need of agricultural land for buildings of all kind, including roads, diminishes the agricultural area by at least 1,500 hectares annually, whereof a greater part represents land which is suitable for cereal growing. The increase of the cultivated area in the years between 1950 and 1960 was in particular the result of the mechanization possibilities in cereal growing. However, they are now gradually exhausted. We do expect that the total cultivated area in the following five years will remain within the range of 160,000 and 170,000 hectares.

Yields

The yields per hectare have been much increased in the average during the last fifteen years. Strongly affected by this development were especially wheat and maize, and somewhat less ryc and barley. The rise in yield will further continue thanks to the breeding of varieties more resistant and giving larger yields, and to the improvement of the agricultural methods. However, we expect that this growth will rather be slower considering that the yields per hectare have already reached a high level.

Consumption

As in all industrialized countries, the development shows a decline in the per caput consumption of bread grain. We suppose it will continue during the coming years but certainly somewhat slower. In return, the total consumption of bread grain has slightly advanced. The rapid growth of population has therefore led to the result that in regard to the total consumption the decline in the per caput consumption has been more than compensated. This considerable growth of the population 1 s taken place during the last years in consequence of a rapid rise in the number of foreign workers in Switzerland. For the next years, a considerable slower rise is expected, even perhaps a retrogression. On the other hand, the normal growth of the permanently present population remains, amounting to call per cent a year. For the following five years, we estimate that the total quantities for the consumption of bread grain will be about the same.

The consumption of feed grains has considerably increased, in particular during the past three years. This is due to an enlarged use of concentrated feeding stuffs for livestock and partly to a rise in the number of small and large livestock. We suppose that the consumption during the next years may be somewhat higher or at least remain on the actual level. However, greater changes can occur in connexion with the sensibility of conjuncture in regard to the use of animal food, in particular beef and veal.

We estimate that the total consumption of all grain for the coming five years will be on about the same level as the average of the last five years, possibly somewhat higher. On the other hand, it is most unlikely that feed grains may show an equal increase of consumption as it was the case from 1960 to 1963/64.

Imports

The grain imports have considerably increased during the reporting period and mainly depend on the further development of the consumption and production. For the latter, we have already pointed to the relative stability of the cultivated areas and the high yields per hectare, which however are subject to great changes. The hitherto realized increases in yields are not sufficient to cover the rise in consumption so that the imports have considerably increased. The further development of the consumption has to be estimated with precaution, and this also applies to the imports.

1,000 me	1,000 metric tons	ns								i		4) E	able	Table 1: Wheat	t a	
		Prod	Production			Forei	Foreign trade	0			Utiliz	Utilization of available supply	ava	ilable s	vfaau	
			Yield		Change			T	Avail			Indus.	-	TOO!H		
Crop	Area	Winter	Winter Spring	+0+0+	in	Gross	Gross	*	able	nimal	Seed	Sped trial Waste	- to	7.000		ngs per
year	year hectar	Quintals.	Quintals per hectar 1000mt	1000mt.	stocks	exports imports	imports	2		feed		nse		caput (gross) (net) in terms of flour	net)	caput in terms of flour
1950/55	1950/55 88,944	30.0	21.7	251	-13	1 1	389	50.5	653	Ş	17	۷		(, OO
	-		;				``	,	}	}	-)	77		- 1 2+	00 · 0
1955/60	1955/60 98,313	31.1	25.3	286	2 -	2	382	56.8	672	86	50	9	11	537	421	81.0
1960/61 104,651	104,651	35.0	26.7	362	-21	9:	309	45.0	989	91	22	Ve	-	724	701	73
0/1 1/01) *(•		A.)	,	Ļ			1		<u></u>	0.11
7907/05 (111,260	111,280	0,72	26.1	596		<i>L</i> :	433	60.3	718	55	22	7	0	625	924	84.6
1962/63 103,500	103,500	39.0	35.0	1,08	+72	2	393	54.4	722	137	5	V	ر بر			0
			•			-	}		1	į	1		<u>.</u>	٠ م	4 ひ	2.2)
1963/64 101,090	101,090	28.5	27.7	287	 88- ·	& ;	328	47.2	695	85	20	9	0	575	437	74.5
													<u>-</u> -		-)
															-	

Switzerland

PRODUCTION, EXPORTS/IMPORTS AND CONSUMPTION

 * Percentage gross imports of available supply.

PRODU	CTION. E	PRODUCTION, EXPORTS/IMPORTS AND CONSUMPTION	MPORTS 4	AND C	FIFFMUSING	NO				ייייני) פרמיסד+	τς 2	TN.64 Page
										DWILLELING		·/C+ 4
						-				Table 2: Rye	Rye	
		Fore	Foreign trade	de			Util.	ization	of av	Utilization of available supply	nbb1,	l
	Change	Gross	Gross	*\b'	Avail-	Animal Indus-		Indus-	11	Food		Kgs.per
otal 00 mt	stocks	otal stocks exports imports 00 mt	imports		supply	feed	Deec	use	wash Signal Ones	(gross)	(net)	(gross) (net) in terms of flour
										Carried Control		
40	+ کا	!!!	.9	17.9	43	1	Μ,	-,	Н	.27	23	4.5
37		\$!	2	15.5	45	12	Ŋ	Н	Н	53	23	4.4
47	9	1	15	22.0	89	30	ત	Н	Н.	34	56	L• ħ
		-									_	

Quintals per hectar 1000 mt

Spring

Winter

hectar

Area

 \mathtt{Crop} year 21.0

26.7

1950/55 15,329

total

Yield

Production

1,000 metric tons

3,9

22

56

Q

10

42

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1

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82

25.4

31.4

1961/62 10,860

21.7

33.0

1960/61 14,341

37

22.7

30.6

1955/60 12,021

37

2

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35.0

40.0

1962/63 16,300

3.8

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36

47

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74

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-19

13

24.4

30.6

1963/64 17,320

* Percentage gross imports of available supply.

PRODUCTION, EXPORTS/IMPORTS AND CONSUMPTION

1,000 metric tons

Switzerland

Barley

Table 5:

in terms of flour Kgs.per 1.2 2.0 2,6 2.4 1.3 5 caput available supply (gross) (net)7 11. 9 15. 14 17 Food 18 16 73 12 8 21 Seed trial Waste Utilization of Indususe 18 75 74 83 88 9 5 5 5 ∞ Animal feed 196 228 305 258 284 378 supply Available 419 596 493 223 377 327 *,55 6.69 78.5 9.99 80.7 73.7 77.7 Foreign trade exports imports Gross 156 362 309 230 218 398 Gross : | 1 1 1 stocks Change -17 +30 -15 -11 9 5 + per hectar 1000 mt total. 56 75 92 92 125 95 Yield Spring 31.6 26.4 29.5 35.0 29.7 Production 29.1 Quintals Winter 36.0 29.6 27.4 29.8 30.3 31.1 1960/61 25,646 1962/63 35,250 32,020 hectar 1950/55 21,649 1955/60 25,514 1961/62 29,310 Area 1963/64 Cropyear.

* Percentage gross imports of available supply.

Switzerland

CONSUMPTION
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IMPORTE
EXPORTS/
PRODUCTION,

1;000 metric tons	ric tons												Ta	ble 4	rable 4: Oats o
	: : : :	Production			Fore	Foreign trade	de			Uti.	lization	of av	Utilization of available supply	[ddns	Y.
Crop. year.	Area	Yield			Gross	Gross Gross	*%	Available supply - Animal			Indus-	: :	Food) *	Kgs. per caput
	hectar	hectar Quintals 1,0	1,000 m.t.		exports imports	imports	Ž.	·		Seed	seed trial waste use		(gross) (net) in terms	$net)^{1}_{c}$	n terms f flour
1950/55 23,846	23,846	28.5	99	## #	1	118	59.5	198	151	5		5	. 21	18	3.7
1955/60	19,333	29.6	. 53	+	1	124	9.69	178	143	7	8 8 8	m	22	14	2.7
19/0961	14,190	30.9	††	+ 15		156	84.3	185	159	D	: :	r=1	50	11	2.0
1961/62 15,086	15,086	31.3	47		1	102	67.1	152	131	9	1		14	0)	1.6
1962/63	14,387	34.2	64	- 12	.	118	66.2	178	157	9	 	CJ.	13	<u></u>	1.2
1963/64 12,210	12,210	28.7	35	+ 20	H	168	92.3	182	163	.5	: :1 :1 :1	Ţ	13	<u>.</u>	1.2
								·							:

*Percentage gross imports of available supply.

PRODUCTION, EXPORTS/IMPORTS AND CONSUMPTION

Switzerland

Maize		Kgs. per caput	terms flour	5.	1.7	1.3	1.2	1.2	1.2	:
- 1	1Jy	Kgs	in of	<i>α</i>				<u>~</u>	ri '	
Table 5:	dns		(net)	12	0	2	2	7	7	
Ta	Utilization of available supply	Food	(gross) (net) of flour	. 23	17	15	14	15	174	
	on ot' a	140.04	seed Urtal Waste	-	!	:	-	-	-	
	lizati	Indus-	use	; !	8 8	! ! !	1	1 1	E 8 8	
	Uti.	7	geed	H	٦	į	-1	~	Н	
		Animal	feed	1 79	58	. 72	8	141	155	:
		Available supply		68	. 92 .	87	105	157	170	
	ə	T	*%	8°68	7.46	91.9	91.4	4.02	95.2	
	Foreign trade	Gross	imports	80	22	8	96	142	162	
	Fore	Gross	exports imports	1	8 9 0	1	1 1	\$ \$ \$	\$! !	
	Ę	Change in	Stocks	- 5	r-I +	<u>.</u>	!	۵ ا	÷ 5	
	uo	Yield	1,000 m.t.	4	ক	†	δ	13	13	
	Production	Yî	hectar Quintals p.hectar	35.4	35.1	32.6	0.74	45.4	48.8	
ic tons		Area	hectar	1,188	918	1,092	1,776	2,829	2,610	
1,000 metric tons		Crop year		1950/55 1,188	1955/60	19/0961	1961/62	1962/63	1963/64	

*Percentage gross imports of available supply.

			PRODU	CTION, I	EXPORTS/	IMPORT	PRODUCTION, EXPORTS/IMPORTS AND CONSUMPTION	SUMPTION		Switzerland	land	ocy ny
1,000 metric tons	ic tons									Table 6:		Cereals total
	Production		Change	Fore	Foreign trade		7. C	Uti	lization	Utilization of available supply	able sup	ply
Crop year	Area hectar Tho	Thousand metric tons	in stocks	Gross Gross Exports Imports	Gross Imports	*%		Animal feed Seed Industrial Waste Food (gross)	I Seed In	idustrial use	Waste Fo	od (gross)
1950/55	150,956	417	0† -	 	647	749 62.1	1,206	505	27	14	21	642
1955/60	. 156,099	459	+	kë/	816	4.49	1,267	569	33	25	18	622
19/0961	159,920	533	- 20	9	856	61.0	1,403	929	34	71	16	949
1961/62	.168,312	482	- 18	2	851	63.3	1,344	514	37	81	14	869
1962/63	172,266	655	+11,	ω	1,053	4.99	1,587	816	39	06	21	621
1963/64	165,250	483	16 -	6	696	65.9	1,540	730	34	32	14	199
:								:	;			

*Percentage gross imports of available supply.