iv) Chemicals\*

Cl<sub>2</sub> \_\_\_\_\_ 4 - 5 days NaOH

e) № of employee
 Totally 650 person and three shifts.

f) Miscellaneous

- i) Several paper companies in this country have agreement that each factory mainly produces special product in order to avoid severe competition. Therefore this factory produces manily printing and writing paper.
- ii) Some of products from this factory is exported to Argentina by the means of truck transportation using ferry.

iii) Fuel consumption

20% ----- Heavy fuel oil

80% ----- Wood and black liquor

They plan to convert to woods from fuel oil.

iv) Wharf

At a wharf annexed FNP factory, a 3.000 DWT tanker belonged to ANCAP (state petroleum company) is moored. According to a port representative, dredging of the port has been made once per three year by the reason of sand accumulation from upstream.

 $\star$  Those chemicals are supplied to this factory from NaOH production factory far from 100 km.

# Analysis: Water from river

F.N.P. (Rio de la Plata) 1984.9.22 pH 7.9 Color (Pt Carbonate method) 2.50 Electric conductivity 122 Solid Total 163 mg/l suspended solid 38 mg/l disolved solid 125 mg/l Total hardness (CaCO<sub>3</sub>) 35.72 mg/l

Anions

	HCO <sub>3</sub> (Bicarbonate)	Compound	45.63	mg/l
	co <sub>3</sub>	Compound	0	mg/l
	OH (hydroxi)	Compound	0	mg/l
-	SiO <sub>2</sub> (Salica)	Compound	2.0	mg/l
	so <sub>4</sub>	Compound	19.5	mg/1
	ĊL	Compound	7.9	mg/l
	NO <sub>3</sub> (Nitrate)	Compound	0.13	mg/l

#### Cations

Ca	Compound	(Ca)	11.25	mg/l
Mg	Compound	(Mg)	1.83	mg/l
Na	Compound	(Na)	4	mg/l
K	Compound	(Na)	0.55	mg/1
Fe	Compound	(Fe <sub>2</sub> 0 <sub>3</sub> )	4.15	mg/1
	Compound		trace	
KMn	0 <sub>4</sub> Consum	(0 <sub>2</sub> )	3.41	mg/1
C0,	gas		1	mg/1
**		ohenolhthalein)	0	mg/l
Alk	alisity (1	leliznitin)CaCO	<sub>3</sub> 37.4	mg/l

#### MINUTES OF MEETING

#### (Factory Survey)

#### II PAPELERA MERCEDES S.A. (PAMER)

- 1) Date : December 12, 1984 (9 AM 1 PM)
- 2) Place : PAMER
- 3) Attendants:

#### PAMER SIDE

Dr. ANGEL CANTONI, Director Delegado

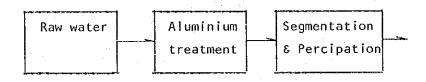
#### STUDY MISSION SIDE

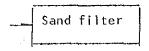
- Mr. Y. MIKAMI, Study Team Leader
- Mr. M. ONOZUKA, Engineer
- Mr. F. SAKABE, Engineer
- Mr. K. MATSUBARA, Engineer
- Mr. T. SENTOKU, Engineer
- Mr. T. SATO, Engineer

## LATU

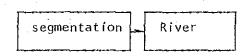
Sr. RAUL DE CASTRO

- 4) Outline of the factory survey
  - This factory produces mainly liner board.
  - They have GP and SCP facilities and their annual production 11.000 t.
- 5) Major topics of the discussion
  - a) Facility of factory
    - i) Water treatment for process water





ii) Waste water



#### iii) Electricity

- . Capacity 9.000 KW (80% of it----self-generation)
- . Bark boiler (12t/h) is installed and its generating capacity is 800 KW. Beside it 1000 KW of diesel generator is also installed and it has been used once a year in case of emergency such as black-out.

The bark boiler was supplied by the Brazil Mitsubishi capacity of bark boiler ----- 12 t/h

40 Kg/cm<sup>2</sup>

# 400 °C

1.5 Million U\$S

#### b) Transportation

Mainly truck transportation for woods is carried out in this factory. However, railway transportation is cheaper than truck. For example it costs 280 pesos/ton including charge/discharg for 120 km. distance.

Water transportation (raft ) is prohabited here.

c) Raw wood prices and cost

- (1) Wood prices from outside plantation
  - (1) wood price

Pine 1100 Peso/ton 2.2m length & max dia 20 cm. Eucalyptus 550 peso/ton (for fuel)

d) Labor wage

750 - 1200 U\$S for engineer plus 2 months bonus
1700 U\$S for invited engineer
110 - 120 U\$S for labor plus 57% allowance

e) Factory organization

. Total employee (Factory) 330 persons other 330 persons in Montevideo for box making

. Breakdown of employee

Reliable person	30 - 35	persons
Administration	20	persons
Maintenance	70	persons
Production line	210	persons
L	330	persons
Production line		
Pulping	30	persons
Paper	50 ~55	persons
Utility	18	persons
Barking	32	persons

. Production line has 3 (Three) shifts and working time is 8 hrs. However on Sunday the line fully stops.

. On Sunday of every 15 days, production line is inspected and maintained

(2) obtaining area	Within 40 - 130 Km & ave	erage 60 Km distance
	from CAJA NORTAÑA 120	Km 50%
	100	Km 40%
	Two Type Cut & loading	350 Pesos
	Tree as it is	200 Pesos
		550 Pesos
	+ Transportation	550
		1100 Pesos

(3) Moisture : 55 - 60%

(2) Woodspricessfrom.own\_plantation.

(1) Pine Stand wood 120 Pesos
Cutting cost 350 Pesos
470 Pesos

Transportation 200 Pesos 670 Pesos

(2) Land cost : 300 - 350 U\$S/ha.

(3) Future planIn future wood procurement is to be achieved up to 60 - 70%from own plantation.

(4) Production record

Double colgated box for citrus

1983	2.28	Million	boxe	S
1984	3.0	Ξ.	11	
1990	8.0	11	- 11	(expected by citrus producers)

Citruses are now exported to Holland and Sweden.

# f) Factory space

Factory 8 ha

Total 32 ha

Land cost 350 U\$S/ha

g) Analysis of pulp manufacturing cost

PAMER S,A, MERCEDES

	PESO	
Salario	1069,24	
Leyes Sociales	571,22	
Gastos Varios	244,66	
Gastos Diferidos	220.09	
Energía UTE	849,15	
Gastos Fletes	288.17	
Consumo Materias Primas vs	96.23	
Consumo Combustibles	265.13	
Consumo Maderos p/vapor	199,62	
Consumo Materiales y repaseles	364,94	
Consumo Talas y filtros	17.91	
Amortizaciones	739.10	4%
Heclesa Pino1	5129.44	27.23%
Na2 <sup>CO</sup> 3	5638.63	
Na2503	2128,52	
Agua	884.43	
		.*

Total

18836,34/t/USCP

# DOCUMENT LIST

AREA PLAN DRAWING OF FRAY BENTOS TOPOGRAPHIC DRAWING OF FRAY BENTOS AERIAL PHOTOGRAPH OF FRAY BENTOS Dec. 12 CONSTRUCTION DEPARTMENT, PREFECTURAL OFFICE

DRAWING OF PRIVATE WHARF OF ANGLO MEAT FACTORY . DRAWING OF BUILDING OF ANGLO MEAT FACTORY

LIST OF ARRIVED VESSEL OF FRAY BENTOS PORT PLAN DRAWING OF FRAY BENTOS PORT DATA OF WEATHER CONDITION OF FRAY BENTOS AREA TARIFF OF FRAY BENTOS PORT Dec. 14 ANGLO MEAT FACTORY FRAY BENTOS

Dec. 14 PORT AUTHORITY OFFICE, FRAY BENTOS

GENERAL DOCUMENTS OF FRAY BENTOS

Dec. 15 DR. MARIO H.CARMINATTI

### SITE SURVEY REPORT BY PLANTATION GROUP

- 1. Date: Dec.11, 1984 / 11:00 13:30
- 2. Place: Oficina Forestal y Depósito de Madera & Plantation
- 3. Attendant:

#### URUGUAY SIDE

ING. AGR. RAUL MENENDEZ RAMPA	Departamento Forestal
ING. AGR. OSCAR R.ARCA REQUEIRA }	Fábrica Nacional de Papel S.A.
ING. AGR. DANIEL SAN ROMAN	Dirección Forestal, Ministerio de Agricultura y Pesca.
Sr. GUILLERMO REYES	(As interpreter)

# Study Mission Side

MR. J. MOROKUMA

- MR. F. SAKABE
- MR, T. USHIJIMA
- MR. H. YAMAMOTO (As interpreter)

4. Main Topics discussed

1) Pulp Test Samples

FNP had prepared Pulp Test Samples before Study Mission arrived at the above mentioned place as follows

i) E. Globulus	$\gamma $	Length	: about 25 cm
ii) E. Maideni		Dia	: about 10 cm
iii) E. Grandis	:	Pieces	: 8/each species
iv) E. ?	)	Age	: 4 years old
		Date to	have cut: Dec,10, 1984

FNP offered that FNP could arrange to cut Test Samples in the plantation side if Study Mission wants to see cutting samples and that FNP could provide four species if S.M.wants,

Study Mission accepted Test Samples of E.Glob. and E. Maideni in accordance with the discussion result regarding the collection of Test Samples. FNP asked S.M. what sorts of test would be carried out

in Japan and S.M. gave brief answer about the pulping test.

- 2) Information of plantation
  - i) Plantation Areas, about 4000 ha
  - ii) Species : various species of E.
  - iii) Cutting Age : 12 years old
  - iv) Interval of planting: 2 m x 2 m in the past
    - $2 \times 3$  at the moment

v) Examples of mean annual increment

E.Globulus	: 12 years old 17 m <sup>3</sup> /ha./year
E.Grandis	: 11 years old 164 tons./ha.=15m <sup>3</sup> /ha./year
E.Globulus E.Grandis	: 1100 kg/m <sup>3</sup> (without bark) : 980 kg/m <sup>3</sup> (without bark)
E.Grandis	: 8 years old 20 m <sup>3</sup> /ha/year (2 x 2 m) (DBH, 13, 17,21,cm) (H. 16 m up to 7 cm top)

vi) Seed : E. Globulus can bear seed in FNP own
plantation.
FNP is importing necessary seed from

South Africa.

- vii) Storm damage : No
- vili) Frost damage : Yes; late frost, early frost
  - ix) Thinning : Without thinning in case of E.

With chinning in case of Pine, but there are no demand to thinned wood. So most of plantation owners can not make thinning because of economic issues.

AI~112

x) Delivery cost of pulpwood : 10 u\$/m<sup>3</sup> fuel wood: 8 u\$/m<sup>3</sup>

xi) Natural regeneration of E.

1st Cut 2nd Cut 3rd Cut 4th Cut 12 years old 20 years 28 years 36 years xii) Loading capacity of truck

truck 12 m<sup>3</sup> trailer 15 m<sup>3</sup> total 27 m<sup>3</sup>

1. Date : Dec. 12, 1984 / 9:50 - 14:30 - 17:50

2. Place: Pamer's Plantation in Soriano, 20 km from Mill

in Rio Negro, 40 km from Mill

3. Attendant :

URUGUAY SIDE

н

ING,AGR. LUIS SORIA Sr. ELIMS FIGUEROA PAMER

ING.AGR. DANIEL SAN ROMAN

Sr. GUILLERMO REYES (TRANSLATOR)

Study Mission

Mr. J. MOROKUMA Mr. T. USHIJIMA

#### 4. MAIN TOPICS DESCUSSED

1) Information of Plantation in Soriano

Area : 168 ha. 20 Km from Mill

Planted Species: mainly E.

Frost and grass are two main obstacles against plantation in this area.

E. Grandis suffers frost demage easily. So PAMER is now planting E.TRETICORNIS and E.ROSTRATA (= E. CAMANDULENSIS)

Cutting Age : 6 - S years old (DBH 12 cm, H 8 - 10 m)

M.A.I. : average 25 m<sup>3</sup>/ha/year (will continue up to 10 - 12 years old)

10 - 12 years ord)

Spacing:  $2\frac{5}{2} \times 2.\frac{5}{m}$  new plantation 2 x 2 m old plantation

Populus:

cutting age : 6 years old expecting yield : 250 tons/ha at the age of 6. Spacing : 4m x 2 m

#### Salix :

cutting age : 6 years old expecting yield: 300 tons/ha at the age of 6

Salix : 3rd cutting

2nd cutting was made 6 years ago, PAMER bought the area after 2nd cutting and thinning of 200 tons/ha. will be made this year, but PAMER expects 350 tons/ha of final cut 3 years after the thinning.

Usually, 4 or 5 harvesting can be expected from one root during 20 years.

2) Information of Plantation in Rio Negro

Area: 850 ha. 40 Km from Mill Planted species : Pine, E., Populus,

Pinus taeda:

Pruning will be made at the age of 4 - 5, or at the time when DBH reaches to 6 - 9 cm.

Pinus ELLIOTTII : for pulpwood

Pruning : DBH 7 - 8 cm

Thinning : 6 - 7 years, 100 tons/ha. (equivalent to 30%) Final cut: 10 - 12 years, 350 tons/ha.

Pinus	ELLIOTTII:	for	SAWLOG				rate	e of thinning
	1st pruning	and	thinning	: 6	- 7	years	old	30%
	2nd ''		ŦI	:10	-12	.81	Ų	30%
	Final cut	,		:18	- 20	¥1	11	
	(400 - 500	tree	s/ha, orig	gina	İly '	1.100	trees	∕ha 3x3m)

Pinus taeda plantation of 18 years old

Area : 3 ha. DBH : 26 cm H: 18 m Rate of thinning : 30 - 40%Expecting volume from thinning: 400 - 500 t from total area ( $\rightarrow$  133 - 167 tons/ha  $\div$  35% = 380 - 476 tons/ha.  $\rightarrow$ present volume per ha.)

Final cut : 20 - 21 years old for sawlog 400 - 500 tons/ha.

3) Nursery

ready for planting

Production in	1984 :	Pine	:	100.000 pieces	1 year old
		Ε.	;	200.000	н.,
		Populus	:	50.000 "	11

Size of pot  $: \phi 9 \text{ cm} \times 15 \text{ cm}$ .

BARBADOS : Seedling with root

Estaca : direct cutting

4) Mill consumption and purchasing price of pulpwood

E. 32.000 tons/year for energy and semi chemical pulp Pine 12.000

Populus 4 - 5.000 tons/year

E. (red. white) L:2 <sup>20</sup> ø - 25 cm	u\$ 500	/ton.	at mill
E. (red. white) L:1 <sup>10</sup> ø 25 - 60	" 420	н	U
E. (red,White) without bark $\phi$ - 25	" 600	н	11 -
Pine & Populus without bark $\phi$ - 25	" 770	<b>i !</b>	11
(distance : about 100 - 120 km)			

Stumpage of E. (Price of standing tree) U\$220/ton

Purchasing rate/consumtion

E. (red, white)	1.000 kg/m <sup>3</sup>	80 -90%
Pine	600 - 650	100 %
Populus	450 - 500	20 %

5) PAMER'S policy of plantation

Density

i) to control the pulpwood purchaching price.

- 1. Date: Dec. 13, 1984/11.00 14.00
- 2. Place: Caja Bancaria
- 3. Attendant:

#### URUGUAY SIDE

Sr. Santos Ronchette, Caja Bancaria Ing. Agr. Daniel San Roman Sr. Guillermo Reyes (as interpreter)

#### Study Mission Side

- Mr. J. MOROKUMA
- Mr. F. SAKABE
- Mr. J. USHIJIMA
- Mr. H. Yamamoto (as interpreter)

#### 4. Main Topics

- 1) Pulp Test Samples
  - Caja Bancaria guided Study Mission to two logging sites to give samples of Pinus taeda and Populus alamo as requested by Study Mission.

Pinus taeda is about 12 years old and Populus alamo is 17 years old.

Caja Bancaria felled a standing tree of Pinus elliotti to make a sample, which is 16 years old.

And a sample of E. Grandis which is 14 years old was selected from piled logs.

All samples were debarked at the collected places.

2) Plantation data

Caja Bancaria has two blocks of lands. One is 900 ha. wide and the other is 6,000 ha. The land of 900 has not been planted yet. Caja Bancaria started plantation about 20 years ago, having bought a livestock farm. Up to now, Caja Bancaria bought 3 linestock farms, totaling 6.900 ha .

Since Caja Bancaria's forest engineer was not in the office, Study Mission could not get detailed data of its plantation.

3) Estimation of Pinus elliottii

Age: 16 years old

DBH: 22 cm in average H: 16 m Spacing:  $2^{5} \times 2^{5}$  - 1600 trees/ha. Present number of trees = 1600 x 70% = 1.120 trees (estimate)  $\left(\frac{0.22}{2}\right)^{2}_{2} \times \pi \times 16 \text{ m} \times 0.4 = 0.24 \text{ m}^{3}/\text{tree}$   $\times 0.5 = 0.30$   $0.24 \times 1.120 = 270 \text{ m}^{3}/\text{ha}$  (with bark)  $16^{9} \text{ m}^{3}/\text{ha}/\text{year}$   $270 \times 0.75 = 200 \text{ m}^{3}/\text{ha}$  (without bark)  $12^{7} \text{ m}^{3}/\text{year}/\text{ha}$  $0.30 \times 1.120 = 340 \text{ m}^{3}/\text{ha}$  (with bark)  $21^{3} \text{ m}^{3}/\text{ha}/\text{year}$ 

340 x 0.75 = 255 m<sup>3</sup>/ha (without bark)  $15^{9}$  m<sup>3</sup>/ha/year

- 1. Data: Dec 15, 1984/8.30 18.00
- 2. Place: 2 plantations of Forestadora y maderera del Norte S.A.
- 3. Attendant

Uruguay side

Srta. Ing. Agr. Rosario Pou Ferrari Sr. Ing. Agr. Daniel San Roman

Plantation owner: Sr. Lorenzo Balerio

Member of Excursion Tour: Sr. Alberto Voulminot (Presidente of Industrias Forestales)

Study Team side

Mr. J. MOROKUMA

Mr. T. USHIJIMA

- 4. Main Topics
  - Study Team joined to Excursion Tour Group of plantation owners and government officials by Srta. Rosario Pou Ferrari's suggestion and introduction.

She helped Study Team during the tour.

And FYMNSA'S forest engineer Sr. Krall could not attend because his daughter delivered baby.

2) Partial translation of the papers given by FYMNSA a attached herewith.

#### FYMNSA (Forestadora Y maderera del norte S.A.)

#### I. General Aspects

#### I.l. Activities description

FYMNSA is a forestry and livestock company in Rivera since 1974. Its purpose was to develop forestry in sandy zone in Rivera and Tacuarembo. This project brought an increase in the number of workers in this region.

In order to achieve the purpose, FYMNSA built

- houses for workers and their families,

- school, etc.

The plantation began in a 5,000 ha. farm (today : 6,850 ha.) At the same time the company dedicated to livestock activity.

#### I.2. Location

The plantation is 9 km far from the railroad and the town of Paso Atoques, and 11 km far from the town of Tranqueras. The plantation is over the geological formation called Tacuarembó. Its area is about 1,600,000 ha. 1,000,000 ha. of this area can be forested.

Characteristics of the soil :

- a) high depth, sandy soil, low productivity, erosionable,
- b) low productivity, CONEAT index : 35% to 75%.
  - This is the reason why this soil is not good for livestock and agriculture. The climate of this region favours species of quick growth (P.taeda, P.elliottii, E.grandis) because of the high amount of rain.

#### Main Activity : Forestry II.

### II.1. Basic topics

#### II.1.1. Introduction

The original project was approved by Forestry Direction (2,500 ha.). Today we are doing the 2nd part of the project (2,000 ha.).

#### II.1.2. Nursery

The seedlings are produced in their own nursery. The seed is from orchard seed (South Africa).

#### II.1.3. Forestry

Almost 100% of the plantation is of P. taeda and P. elliottii, 1100 trees/ha.

#### Fig. 1 Forestry Area

Year	Ha.
1976	100
1977	740
1978	830
1979	330
1980	480
1984	1,280
Total	3,730

"effective plantation area is about 80%" suggested by Ing. Daniel.

"Ing. Daniel gave the following data. Actual result of soil preparation in the 2nd project. 16 hours (2 shift) / day x 45 days 60cm wide x 5cm deep of caltivation was made by Rotunador plus 50hp tractor along the contour line.

Plantation area: about 1,280 ha.  $\times$  80% = 1,024 ha.Species: almost 100% P.Taeda4  $\times$  3ma few P.Patuda4  $\times$  3m

and the second second second second	
Foremen	: 4
Plantation workers	: 44
Ants control	: 6
Cooks	: 2
Cook-helpers	: 2
Total	: 58 x 30 days

#### 11.1.4. Forest Management

#### i) Ants control

The control begins 6 months before the forest planting, and continues during the 1st, 2nd and 3rd year of planting.

#### ii) Prunning

All the trees are prunned up to 2.20m in height between the 3rd and 4th year. The trees to be remaind until final cut (350 trees) are prunned up to 5m in height betweent the 6th and 7th year. "Prunning is never done over 2/3 of tree height because crown becomes too small to grow."

#### iii) Thinning

The first thinning is between 9th and 10th year, remaining 750 trees/ha. The 2nd thinning is between the 14th and 15th year, remaining 350 trees/ha.

Final cut is from the 18th to 20th year.

II.1.5. Destination of the wood (Uses)

a) Thinning : chips, pulpwood, packing, sawlog.b) Final cut : veneer, sawlog (high quality), etc.c) Residues (of logging) should be to energy source.

II.2. Labour

Fig.2. Average 60 people

Year	Labour	1975=100
1975	33	100
1976	46	140
1977	56	170
1978	59	179
1979	60	182
1980	57	173
1981	62	188
1982	65	197
1983	65	197
1984	80	243

Transitory labour : during plantation, prunning and thinning : 90 people. In livestock activities : 1 man/400 ha.

(before 1975 : 1 man/1,000 ha)

Today, FYMNSA : 1 man/76 ha.

Fig. III

Year	Ha./man
1975	152
1978	85
1981	81
1984	76

II.3. Incencives and Finacial

II.3.1. Ways of Financial

The whole project was made with our own fund.

II.3.2. Incentives (just explained)

II.4. Forestry and livestock

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Year	Amount of cattle	breed Amount of she	eep
1976	2,102	1,813	
1977	2,831	2,660	
1978	2,398	1,750	
1979	1,812	1,494	
1980	1,862	2,601	
1981	2,163	2,311	
1982	2,094	979	
1983	2,089	596	
1984	2,168	900	

The amout of animals per ha. is similar to other farms with an equal CONIAT index (55%)

Fig. V

Year	Cattle breed only (ha.)	Cattle and forestry (ha.)
1976	3,986	-
1977	3,246	
1978	2,416	30
1979	2,086	203
1980	1,606	673
1981	1,606	1,362
1982	1,606	1,948
1983	1,606	2,264
1984	1,456	2,480

	Fig. VI						
Production	of	livestock	meat	(of	cattle	and	sheep)

Year	Weight of living meat
	(kg)
1977	93,146
1978	93,146
1979	107,909
1980	107,909
1981	115,519
1982	115,519
1983	123,450

II.5. Others

Eucaliptus 30 ton/ha./year = 6 ton of oil = U\$ 1,380

Extensive land production (34.6 kg of meat/ha./year + 3.0 kg of wool/ha./year) = U\$ 55

"Data given by Ing. Daniel (regarding FYMNSA)

1) Soil preparation cost in 1984 : U\$ 35/ha., very cheap

2) Cost of 1st prunning : U\$ 22 - 23/ha. " 2nd " : " 29 "

3) Expecting increase of diameter 2.5 - 3.4 (=3cm)/year in DBH

4) Increment : 23 ton/ha./year at the age of 18 - 20

- 5) Rainfall : 1500 mm/year in the North of Uruguay 800 - 900 in the South "
- 6) Growing period : 10 months from Aug. to May in the North 8 " in the South

7) Plantation observed

Planted year : 1976, 8 years old Ave. DBH : 20cm, H : 14m thinned logs <sup>0</sup>20cm 1 = 2.40m, 160 - 180 kg/tree

Planted year : 1984, soil preparation was made 1 month before planting.

tt

Sheep enter the plantation 6 months after planting. Cattle " 12 " " . 1. Date: Dec. 16, 1984/10:30 - 11:00 17:00 - 19:00

 Place: Near Tacuarembó Project 23 on the way from Rivera to Melo

3. Attendant:

Uruguay side

Ing. Agr. Daniel San Román Sr. Guillermo Reyes (As interpreter)

Study Mission side

Mr. T. USHIJIMA Mr. J. MOROKUMA

4. Survey Result

Ownwer of Plantation	:	Michel Acle
Planted year	:	1975, 9 years old
Areas	:	50 ha.
Species	:	E. Grandis
Average DBH	:	24 cm
Average Height	:	18 m
Interval	:	3 x 3 m = 1.100 trees/ha
Present number of tree	es (e	estimate)

1.100 x 65 - 70% =715 - 770 trees/ha.

 $\frac{(0.24)^2}{(2)^2} \times \tilde{n} \times 18 \times 0.65 = 0.59$ 

x 715 = 378 x 770 = 407  $\end{pmatrix}$  Ave. 390 m<sup>3</sup>/ha  $44m^3/ha/year$  (with bark) 5. Mr. Daniel gave Study Team the explanation about FYMNMA'S document which was given during the excursion tour and also the data he got in the Spanish language.

And also he gave the explanation of the forest incentive in detail.

- 1. Date: Dec. 17, 1984/8:00 13:00
- 2. Place: Estación Experimental Bañados de Medina
- 3. Attendant

# Uruguay side

Ing. Agr. Fernando Martínez

Ing. Agr. Daniel San Roman

Sr. Guillermo Reyes (As interpreter)

Study Team Side

Mr. J. MOROKUMA

Mr. T. USHIJIMA

4. Main Topics

- Ing. Fernando Martinez showed Study Team experimental comparison forests of various pine species and provenance test forests of Pinus Taeda in detail and gave the comparison result data of Pinus Taeda, which is attached herewith.
- Ing. Daniel took notes of Ing Fernando's explanation on behalf of Mr. Morokuma and gave it to Mr. Morokuma. Also, Mr. Daniel gave procedencias situación actual de la forestación, en el Uruguay.

(Some data from the "Bicentenario" Test - 6 provenances of Pino Taeda) ALCUNOS DATOS DEL ENSAYO "BICENTENARIO"- 6 PROCEDENCIAS DE PINO TAEDA

Promodios de 6 árbolos , 2 repoticiones; muestreos 25%. Edud 18 años. (Average of 6 trees, 2 replications; to sample: 25% Age: 18 years)

# PROCEDENCIAS (Provenances)

9/191

•	"Sam Houston Texus	Howie Texau	Nutchitochea Louisiune	Kinatchio Louiniana	•	Warren Georgia
(D.B.H)						
D.A.P. Cm.	38,6	32,9	32,2	34,2	32,6	33,0
Total height alturn total m.	17,85	15,70	15,48	16,65	17,05	16,73
Weight Aver. Tree So Prom. Arbol quilos(kg)	***(!~	692,8	692,3	802,0	772,3	741,5
TT /Ha .on•ladaa/H&.	438	272	271	314	303	291
TT/ha/y Yon./N <b>G.</b> /Aijo.	24,1	15,1	15,1	17,5	16,8	16,2

				tail of ( wills de	los árbole			
lum Houst	ύ'n	l	2	3	Weight P. total	(Average) Promodio	ТТ/На Топ./НА.	Ton./II&./Año.
Техий	٨	828	1147	1355	3300	1110,0	435,12	24,17
}d∙m	ß	1579	834	990	3403	1134,3	<u>կ</u> կկ <sub>+</sub> 66	24,70
Jowie								
l'e X = B	A	576	734	920	2230	743,3	291,39	16,19
t d∎ m	В	995	708	624	1927	642,3	251,79	13,99
la tehi too	aəıl							
iouini-n-	٨	1089	609	593	2291	763,7	299,36	16,63
ໄດ້ອານ	B	598	633	632	1863	621,0	243,43	13,52
lisatchio		· .				·		
-ouisianu	A	1134	694	726	2554	851,3	333,72	18,54
lden,	ß	526	991	741	2258	252,7	295,05	16,39
lrossett								
'irkansaG	Ą	440	724	810	1974	658,0	257,94	14,33
ldom	B	802	969	889	2660	886,6	347,57	19,31
					· · · · · · · · · · · · · · · · · · ·			

Jarren			: ·	•		ан А	
icorgia	A.	611 9	22 730	2263	754,3	295,70	16,43
Eden.	- Ŋ	ନ୍ୟେନ୍ ନ	77 879	8166	,75817	385 61	19182

- 1. Date: Dec. 17, 1984/ 17.00 19.30
- 2. Place: Nuevo Hotel in Melo
- 3. Attendant

Uruguay side

Ing. Agr. Daniel San Roman
Sr. Guillermo Reyes (As interpreter)

Study Team Side

Mr. J. MOROKÚMA

- Mr. T. USHIJIMA
- 4. Main Topics Discussed
  - Study Team showed Ing. Daniel Discussion Material of Dec. 14,1984, attached herewith, in order to have Study Team's intention regarding Draft Progress Report understood.
  - 2) Both parties held a meeting on Dec. 17, 1984, in order to discuss the items which should be included in Draft Progress Report as the part of Plantation Survey Team.
  - 3) The following are the result of discussion

i)	Price of	land		U\$S	225/ha

ii) Cost of Plantation, cutting age and havesting volume

Vaa	Dina	·. c	nnd Da	
Year	Pine	Ε,	and Po	purus
0	6,193,5	i0	8.503,	30
1	619, <sup>1</sup>	40	850,	30
2	619,4		850,	
3	619, <sup>1</sup>	10	850,	
- 4	-		-	
5 6	-		-	
	-			
7 8 : 11	- 	(15 m <sup>3</sup> /ha/year)	500	(25m <sup>3</sup> /ha/year)
14	an in the second se	(15 m /na/year)	500 :	(30m <sup>3</sup> /ha/year)
20			500 ·	(30m <sup>3</sup> /ha/year)
28		4 	: 500	(25m <sup>3</sup> /ha/year)
36		• • • •	:	(25m <sup>3</sup> /ha/year)

iii) Interest rate

#### LIBOR rate

- iv) Logging cost
   Pine N\$ 150/ton including loading cost with bark
   E. and Populus N\$ 250/m<sup>3</sup> including loading cost without bark
- v) Transportation Cost

### up to 150 Km N\$ 3.00/ton/km over 150 km N\$ 2.70/ton/km

vii) Study Team told Ing. Daniel that Study Team thinks that it is necessary to introduce mechanical logging system because it seems difficult to extract the whole of 1.5 million m<sup>3</sup> by traditional logging method only, and that Study Team wants to calculate the mechanical logging cost and wants to increase logging cost including logging road maintenance cost, if necessary. Ing. Daniel agreed to Study Team's idea.

#### Discussion Material

#### 14/Dec

Regarding the Progress Report (Interium Report)

- 1. Draft Progress report should be completed until Dec. 20 1984, having hold discussion between Uruguay side and Study Mission.
- The following are Japanese Plantation Team's ideas as to what sorts of items should be decided in Final Progress Report. Study Team will make Draft Final Report according to Progress Report which are muturally agreed.
  - i) According to the master plan made by JICA on February 1981, requirement of pulpwood is as follows: Pines 779.000 m<sup>3</sup>/year Hardwood 664.000 m<sup>3</sup>/year

Total 1.443.000 m<sup>3</sup>/year  $\neq$  1.5 million m<sup>3</sup>/year

ii) How to develop plantations to supply such amount of pulpwood.

iii) Where do you plant?

iv) When do you start?

v) Can you buy plantation areas? and how much does it cost per ha.?vi) What is the plantation cost?

vii) What species should be planted?

viii) What is mean annual increment (m<sup>3</sup>/ha/year)?

P.taeda, P. elliottii

E. Grandis, E. Globulus, E. Mandeni, Populus

ix) What is logging cost?

x) What is transportation cost?

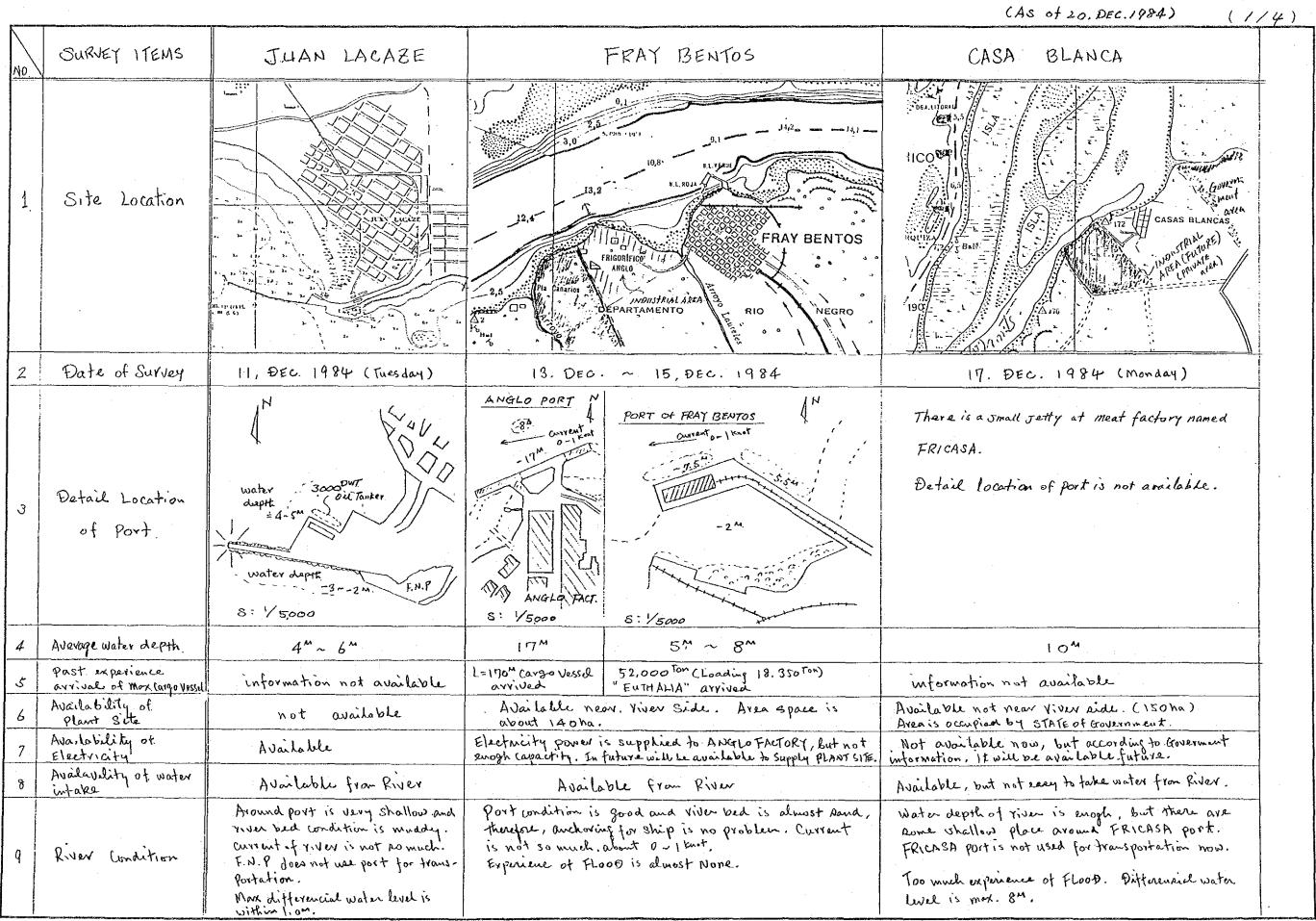
## "National Plantation Development Program"

- Forestry Department, Ministry of Agriculture and Fishery, wants to enlarge plantation areas.
   Is it right?
- 2) In case of Japan, Japanese Gevernment has announced its 5 years' economic development plan (or program) every 5 years, including plantation development plant. (or program) Does your such economic development plan include plantation development plan.

Please give me a copy of your plantation development plan when we come back to Montevideo, if you have.

# CHIYODA CHEMICAL ENGINEERING

COMPARISON TABLE for PLANT SITE SELECTION

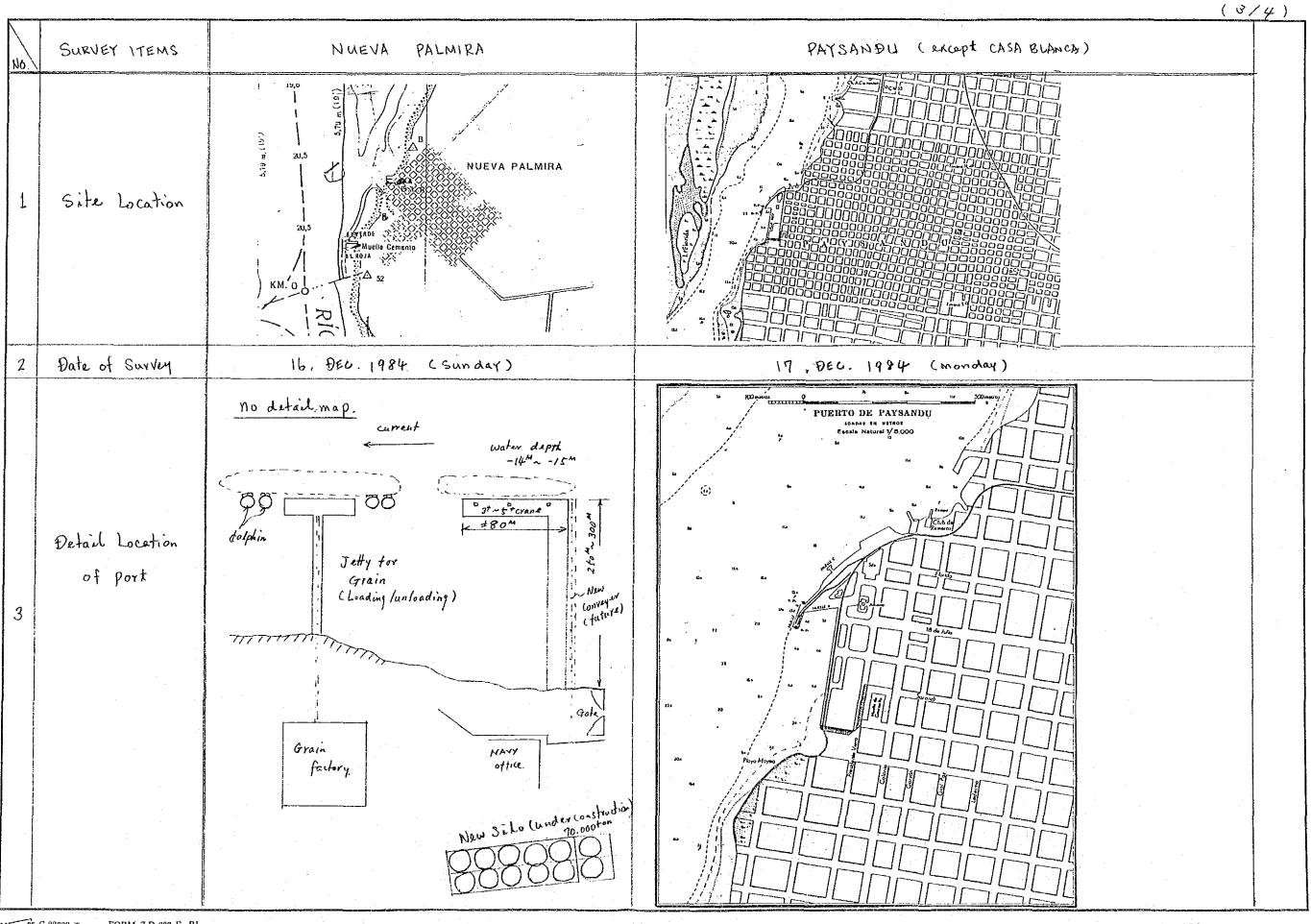


#### CHIYODA CHEMICAL ENGINEERING & CONSTRUCTION CO., LTD.

¢.	SURVEY ITEMS	JUAN LACAZE	FRAY BENTOS	CASA
ł	o General Geologicul Condition	No information, but it may be same condition to FRAY BENTOS	Cteneraly, Surface material of ground is black poil which is not suitable material for foundation. Thickness of black poil layer is about 1, 0 <sup>M</sup> . Delow black poil, there are so much hand layer puch as Rock. This material is hand CLAY named TOSKA. Soil bearing capacity of TOSKA is about 6.0 ×9/out GL GL GL GL GL GL GL GL GL GL GL GL GL	NO information condition to. F
	General Topographick Condition of plant Site	No information, but Land elevation from water level of viver is approximate 4.0m.	According to Rite Rurvey by visuel check and topographical map, land elevation of plant rite which is taken for FERSIBILITY STUDY is approximate 10 <sup>m</sup> to 15 <sup>m</sup> above water level of viver. Land phope is not as pteep and covered with ro much grass.	NO information by vienal check, However, expect by Government a area is cliff. L and covered with
17	Railway condition around port.	There is no vail way around port side.	Railway transportation is available from port.	Not available
L (	Rail way condition 3 around phant site	No information	According to Government information, it is available to connect new rail way and existing main rail way. Detween	100 information
14	Road and Traffic Condition around Port and plant rite	Around F. N. P and port are no problem, but no information for another area.	Road condition around port is almost good, but if plant site will be located designated area, it will be necessary to provide the NEW ROAD from site to port. Belanse, when plant operation will be commenced, many big truck will pass to the town. New wavehouse is necessary new the port.	No information hocated government from viver, it and product fro As that case, it
	SITE SELECTION based on SITE SURVEY	Not Suitable	Suitable	Ŷ

(2/4)BLANCA , but it may be pame RAT BENTOS , but according to rite rurvey Rame condition to FRAT BENTOS. ted phont rite is not occupied and along the river ride of Land plope is not no steep h no much grass. in, but if plant Rite will be ental onea which is located for t is necessary to covry the material on gite to PAYSANDU port. i will be some traffic problem. ot Suitable



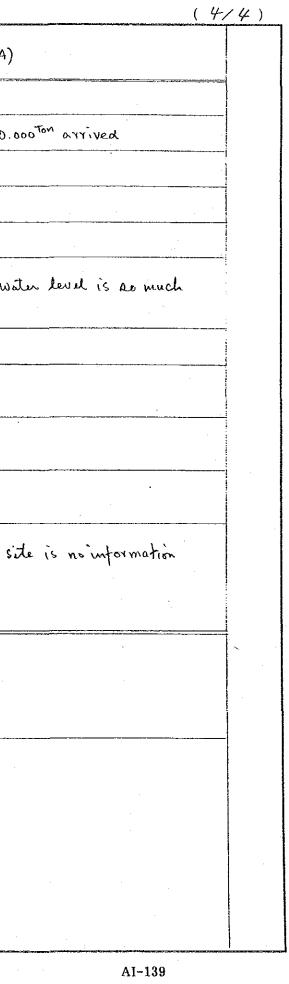


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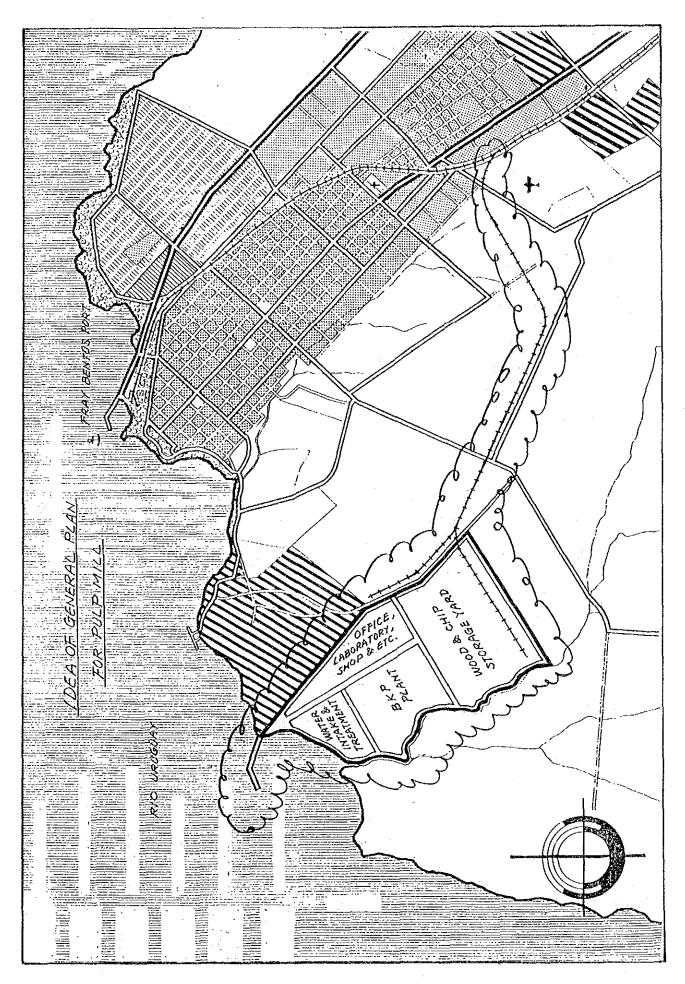
SURVEY ITEMS	NUEVA PALMIRA	PAYSANDU (except CASA BLANCA)
Average water depth	14 <sup>M</sup> ~ 15 <sup>M</sup>	17 <sup>M</sup> ~ 10 <sup>M</sup>
Past experience arrivat of max. Cargo Vessel	No infomation	Not exactory information, but 6000 Ton to 10.0
Availability of	Free zone area located near port is approximate 100ha, but example to the apart of area already,	no area around near port
Availability of	available	availe ble
Availability of water intake	Available from River	Available from River
River Condition	no detail information, but water depth is enogh.	water depth is enogh and differencial wa
General Geological Condition	no information	no information
General Topographical Condition of plant site	no information	No information
Rail way condition around port	no rail way	Available
Rail way condition around plant site	no rait way	no information
Road and Traffic Condition around Port and Plant Rite	Around port site is no problem, but plant site is no information.	Around port site is no problem, but plent si
SITE SELECTION	This area is not candidated for this study,	
based on SITE SURVEY	but only Visual Survey of port is carried out. At this moment, it will not be Auctable.	not suitable
	Average water depth Past experience arrived of max. Cargo Vessel Availability of Plant Site Availability of Electricity Availability of water intake River Condition General Geological Condition General Coological Condition General Coological Condition Avound plant Site Road and Traffic Condition around Port and Plant Pite SITE SELECTION based on	Adverage water depth14 <sup>M</sup> ~ 15 <sup>M</sup> Past experienceNo informationAvailability of Plant Site.Availability of availability of ElectricityAvailability of ElectricityAvailableAvailability of ElectricityAvailable availableAvailability of ElectricityAvailable availableAvailability of ElectricityAvailable availableAvailability of ElectricityAvailable availableAvailability of ElectricityAvailable availableAvailability of ElectricityNo available from RiverRiver ConditionNo available availableRiver ConditionNo available availableRiver ConditionNo informationGeneral Created and themNo informationGeneral Created and themNo informationGeneral Created and themNo informationRevenal Created and themNo informationRevenal Created and themNo informationRevenal Created and themNo informationRevenal Condition avound plant SiteNo informationRoad and Traftic Londition avound Port and Plant siteAvound port Site is no problem , but plant site is no informationSite Selection based onThis area is not Candidated for this study, based on



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### MINUTES OF MEETING (JULY 2, 1985)

### Annex I-4

#### Minutes of Meeting

JICA Study Team on the establishment of a paper pulp plant in the Oriental Republic of Uruguay and Office of Planning and Budget (O.P.P.) had a series of discussions and exchanged views on the draft report of this project during the period from June 27th. to July 1st. 1985 at LATU office Montevideo.

Attendants of both side are listed in attached sheet.

JICA Study Team explained briefly the result of study and stated that any comments and questions would be welcome to finalize the report.

O.P.P. stated that they were satisfied with the study of the draft report, however, O.P.P. requested to clarify the characteristic of "Recommendation".

In response to the request JICA Study Team has clarified as follows:

Characteristic of "Recommendation"

All parts of this report were prepared by JICA Study Team for the Government of Uruguay.

Therefore, suggestions and opinions mentioned in the "Recommendation" are entirely ones made by JICA Study Team to realize this big project smoothly.

Montevideo, July 2 , 1985

niyasu Mikami

JICA Study Team Leader

Jorge Pelufo Director of International Cooperation Division Office of Planning and Budget

### URUGUAYAN SIDE

Thursday 27/6/85

- Dr. Juan Antonio Moratorio General Director (MIE)
- Ing. José L. Bozzo
- Vice Director National Energy Bureau (MIE)
- Ing. Ana Cazzadori

Planning and Budgeting Bureau (OPP)

- Ec. Gustavo Cola (OPP)

- Fernando Stotz (LATU)

- Br. Gerardo Almeida (MIE)

- Ing. José L.Bozzo (MIE)

- Ing. Ana Cazzadori (OPP) - Ec. Gustavo Cola (OPP)

#### Friday 28/6/85

Monday 1/7/85

- Ing. Agr. Rosario Pou (MIE)
- Ing. Ana Cazzadori (OPP)
- Ec. Gustavo Cola (OPP)

- Fernando Stotz (LATU)

- Ing. Agr. Pedro Senyzsyn (Faculty of Agriculture)

- Ing. Agr. Pedro Senyzsyn (Faculty of Agriculture)

- Cra. María Sisto (MAP)

#### JAPANESE SIDE

27/6. 28/6. 1/7

- Mr. Y. Mikami - Mr. J. Morokuma - Mr. T. Sato
- Mr. T. Sato (JICA)

		ANNEX II
Annex	11-1	PRODUCTION/IMPORT/EXPORT/APPARENT CONSUMPTION OF PAPER AND PAPERBOARD IN THE WORLD BY REGION
Annex	11-2	PRODUCTION/IMPORT/EXPORT/APPARENT CONSUMPTION
		OF PAPER AND PAPERBOARD BY KIND IN LATIN AMERICAN COUNTRIES
Annex	11-3	RATES OF IMPORT/APPARENT CONSUMPTION OF
		NEWSPRINT IN MAJOR IMPORTING COUNTRIES (1972-1982)
Annex	11-4	PRODUCTION/IMPORT/EXPORT/APPARENT CONSUMPTION OF WOOD PULP IN THE WORLD BY REGION
Annex	11-5	PRODUCTION/IMPORT/EXPORT/APPARENT CONSUMPTION OF WOODPULP BY KIND IN LATIN AMERICAN COUNTRIES
Annex	11-6	RATES OF IMPORT/APPARENT CONSUMPTION OF PULP IN MAJOR IMPORTING COUNTRIES
Annex	11-7	PRODUCTO BRUTO INTERNO AL COSTO DE FACTORES, SEGUN SECTOR ECONOMICO DE ORIGEN
Annex	II-8	COTIZACION DE MONEDAS EXTRANJERAS
Annex	11-9	INDICES DE PRECIOS, EVOLUCION EN LOS ULTIMOS 12 MESES
Annex	II-10	NBKP/LBKP EXPORTS BY DESTINATION FROM USA, CANADA, AND BRAZIL
Annex	II-11	LBKP/NBKP IMPORTS BY ORIGIN
Annex	II-12	PHOTOGRAPH OF PULP FIBER AFTER BLEACHED

### Annex II-1

### PRODUCTION/IMPORT/EXPORT/ APPARENT CONSUMPTION OF PAPER AND PAPERBOARD IN THE WORLD BY REGION

#### (NOTES)

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1.	Produc.:	Production
	Net Imp.:	Net Import
	Consump.:	Apparent Consumption

- 2. Net Import = Import Export
- 3. Apparent Consumption = Production + Import Export
- 4. SS-Rate = Production/Apparent Consumption x 100
- 5. "EC" includes West Germany, France, Italy, the Netherlands, Belux, the U.K., Ireland and Denmark and Greece through 1972 to 1982, though the U.K., Ireland and Denmark joined in 1973 and Greece joined in 1981.

6. "Scandinavian 3" includes Finland, Norway and Sweden.

Table All-1-1

Production/Import/Export/Apparent Consumption of Paper and Paperboard Total in the World by Region (1)

· · ·							SI	iare (%)			e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc.	137,582	151,895	172.301	172,471	165,360	100.0	100.0	100.0	2.0	1.7
	lmport	25,175	27,733	33.574	33,804	33,498	100.0	100.0	100.0	2.0	3.8
	Export	25,247	28,293	35,088	35,559	33,767	100.0	100.0	100.0	2.3	3.6
·	Consump.	137,510	151,335	170.787	170,716	165,091	100.0	100.0	100.0	1.9	1.8
EC	Produc.	21,415	22,634	24,606	24,205	23,341	15.6	14.9	14.1	1.1	9.6
	Import	10,408	11,406	13,648	14,101	14.024	41.3	41.1	41.9	18	4.2
	Export	2,926	4,071	5,347	5,631	5,651	11.6	14.4	16.7	6.8	6.8
	Net imp.	7,482	7,335	8,301	8,470	8,373					
	Consump,	28,897	29,969	32,907	32,675	31,714	21.0	19.8	19.2	0.7	1.1
	SS-Rate	74	76	75	74	. 74					
Scandinavian 3	Produc.	10,861	10,866	13,474	13,722	13,128	7.9	7.2	7.9	0.0	3.9
•••••••••	Import	241	292	399	414	424	1.0	1.1	1.3		
	Export	8,289	8,390	10,542	10,646	10,375	32.8	29.7	30.7	0.2	
	Net Imp.	-8,048	-8,098	-10,143	-10,232	-9,951					
	Consump.	2,813	2,768	3, 331	3,490	3,177	2.0	1.8	1.9	-0.3	2.8
· .	SS-Rate	386	393	405	393	413					
Other W.Europe	Produc.	3,798	4,810	5,559	5,665	5,764	2.8	3.2	3.5	4.8	3.7
· · · · · · · · · · · · · · · · · · ·	Import	697	810	965	1.094	1,141	2.8	2.9	3.4		
	Export	728	1,212	1.428	1,696	1,716	2.9	4.3	5.1	10.7	
	Net Imp.	+31	-402	-463	-602	-575			÷		
	Consump.	3,767	4.408	5,096	5,063	5,189	2.7	2.9	-3.1	3.2	3.3
	SS-Rate	101	109	109	112	111			:		
Total W.Europe	Produc.	36,074	38,310	43,639	43,592	42,233	26.2	25.2	25.5	1.2	2.0
	Import	11,346	12,508	15,012	15,609	15,589	45.1	45.1	46.5		
	Export	11,943	13,673	17,317	17,973	17,742	47.3	48.3	52.5		
•	Net Imp.	-597	-1,165	-2,305	-2,364	~2,153					
	Consump.	35,477	37,145	41,334	41,228	40,080	25.8	24.5	24.3	0.9	1.5
	SS-Rate	102	103	106	106	105			· .		
Eastern Europe	Produc.	12,260	15,348	15,390	15,569	15,630	8.9	10.1	9.5	4.6	0.4
	laport	1,527	1,835	2,133	2,084	2,089	6.1	6.6	6.2		
	Export	1,269	1,733	1.789	1,838	1,833	5.0	6.1	5.4		
	Net Imp.	258	102	344	246	256					
	Consump.	12,518	15,450	15.734	15.815	15,886	9.1	10.2	9.6	4.3	0.8
	SS-Rate	98	99	98	98	98					

				à			Sh	are (%)			e Growth te (%/y)
Region	ltem	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
North America	Produc.	62,859	64,946	72.847	74,066	67,471	45.7	42.8	40.8	0.7	0.8
	Import .	7,143	7,017	8,118	7,595	7.303	28.4	25.3	21.8	-0.4	0.8
	Export	10,981	11,232	13,675	13,134	11,931	43.5	39.7	35.3	0.5	1.2
	Net Imp.	-3,838	-4,215	-5,557	-5,539	-4,628					
	Consump.	59,021	60,731	67,290	68,527	62,843	42.9	40.1	38.1	0.6	0.7
	SS-Rate	107	107	108	108	107	÷.,				
Latin America	Produc.	4,246	5,536	7,727	7,434	7,697	3.1	3.6	4.7	5.4	6.8
	Import	1,805	2.066	2,343	2,435	2,386	7.2	7.4	7.1	2.7	2.9
	Export	110	222	410	575	476,	0.4	0.8	1.4	15.1	16.5
	Net Imp.	1,695	1,844	1,933	1,860	1,910					1070
	Consump.	5,941	7,380	9,660	9,294	9,607	4.3	4.9	5.8	4.4	5.4
	SS-Rate	72	75	80	80	80	110		0.0		
Asia	Produc,	19,533	24,491	28,986	27,948	28.454	14.2	16.1	17.2	4.6	3.0
	lmport	2,219	2,832	4,253	4.246	4,256	8.8	10.2	12.7	5.0	8.5
	Export	695	939	1,244	1,318	1,170	2.8	3.3	3.5	6.2	4.5
	Net Imp.	1,524	1,893	3,009	2,928	3,086					
	Consump,	21,057	26,384	31,995	30,876	31,540	15.3	17.4	19.1	4.6	3.6
	SS-Rate	93	93	91	91	90					
Oceania	Produc.	1,546	1,890	2,104	2,151	2,197	1.1	1.2	1.3	4.1	3.1
	Import	505	660	751	748	807	2.0	2.4	2.4	5.5	4.1
	Export	202	302	418	447	340	0.8	1.1	1.0	8.4	2.4
	Net Imp.	303	358	333	301	467					
	Consump.	1,849	2,248	2,437	2,452	2,664	1.3	1.5	1.6	4.0	3.5
	SS-Rate	84	84	86	88	83					
Africa	Produc.	1,064	1,374	1,608	1,712	1,678	0.8	0.9	1.0	5.2	4.1
	Import	630	815	965	1,088	1,068	2.5	2.9	3.2	5.3	5.6
	Export	47	193	235	274	276	0.2	0.7	0.8	32.6	7.4
	Net Imp.	583	622	730	814	792					
	Consump.	1,647	1,996	2,338	2,526	2,470	1.2	1.3	1.5	3.9	4.4
	SS-Rate	65	69	69	. 68	68		1.0			

### Table All-1-1Production/Import/Export/Apparent Consumption of Paper and Paperboard Totalin the World by Region (2)

(Unit: 1,000 MT)

Source: Yearbook of Forest Products, 1982 (FAO)

Notes: 1. SS-Rate: Self-sufficiency Rate (%)

2. Includes Newsprint, Printing and Writing Paper and Other Paper and Paperboard.

		· · · · · · · · · · · · · · · · · · ·							(1	Jnit: 1,0	100 MT)
							SI	hare (%)			Growth e (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc,	21,678	22,473	26,181	27,385	25,966	100.0	100.0	100.0	0.7	2.9
	Import	11,175	11,278	12,702	12,926	12,409	100.0	100.0	100.0	0.2	1.9
· ·	Export	10,752	10,520	12,329	13,002	11,559	100.0	100.0	100.0	-0.4	1.9
	Consump.	22,101	23,231	26,554	27.309	26,816	100.0	100.0	100.0	1.0	2.9
EC	Produc.	1,868	1,545	1,789	1,591	15508	8.6	6.9	5.8	-3.7	-0.5
	Import	2,650	2,671	3,104	3,274	3,120	23.7	23.7	25.1	0.2	3.2
	Export	97	182	244	205	210	0.9	1.7	1.8	13.4	2.9
	Net Imp.	2.553	2,489	2,860	3,069	2,910	÷				
	Consump.	4,421	4.034	4,649	4.660	4,418	20.0	17.4	- 16.5	-1.8	1.8
	SS-Rate	42	38	39	34	34					
Scandinavian 3	Produc.	2,894	2,525	3,692	3,999	3, 492	13.3	11.2	13.4	-2.7	6.7
÷	Import	0	. 0	0	0	. 0	0.0	0.0	0.0	0.0	0.0
	Export	2,530	2,027	3,193	3,416	2,937	23.5	19.3	25.4	-4.3	7.7
	Net Imp.	-2,530	-2.027	-3,193	-3,416	-2,937					
	Consump.	364	498	499	583	555	1.6	2.1	2.1	6.5	2.2
	SS-Rate	795	507	740	686	629	.1				
Other W.Europe	Produc.	434	450	494	504	485	2.0	2.0	1.9	0.7	1.5
	Import	130	107	120	173	211	1.2	0.9	1.7	-3.8	14.5
	Export	52	54	71	74	66	0.5	0.5	0.6	0.8	4.1
	Net Imp.	78	53	- 49	. 99	145			÷	4 · · · ·	
+	Consump.	512	503	543	603	630	2.3	2.2	2.3	-0.4	4.6
· .	SS-Rate	85	90	91	84	77					
Total W.Burope	Produc.	5,196	4,520	5,975	6,094	5,485	24.0	20.1	21.1	-2.7	3.9
	Import	2,780	2,778	3,224	3,447	3,331	24.9	24.6	26.8	0.0	3.7
	Export	2,679	2,263	3,508	3,695	3,213	24.9	21.5	27.8	-3.3	7.3
	Net Imp.	101	515	-284	-248	118					
	Consump.	5,297	5,035	5,691	5,846	5,603	24.0	21.7	20.9	-1.0	2.2
	SS-Rate	98	90	105	104	- 98					
Eastern Europe	Produc.	1,608	1,845	1,961	1,963	1,948	7.4	8.2	7.5	2.8	1.1
	Import	235	245	247	277	269	2.1	2.2	2.2		1.9
	Export	336	371	366	420	427	3.1	3.5	3.7		2.9
	Net Imp.	-101	-126	-119	-143	-158					
	Consump.	1,507	1,719	1,842	1.820	1,790	6.8	7.4	6,7	2.7	0.8
	SS-Rate	107	107	106	108	109					

### Table All-1-2Production/Import/Export/Apparent Consumption of Newsprintin the World by Region (1)

							Sh	are (%)			e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
North America	Produc.	11,210	11.352	12,760	13,699	12,691	51.7	50.5	48.9	0.3	2,3
	Import	6,442	5,950	6,594	6,330	5,924	57.6	52.8	47.7	-1.6	-0.1
	Export	7,481	7,383	7,865	8,232	7,357	69.6	70.2	63.6	-0.3	-0.1
	Net Imp.	-1,039	-1,433	-1.271	-1.902	-1,433					
	Consump.	10.171	9,919	11,489	11,797	11,258	46.0	42.7	42.0	-0.5	2.6
· .	SS-Rate	110	- 114	111	116	113		· .			
Latin America	Produc.	245	345	490	513	555	1.1	1.5	2.1	7.1	10.0
	Import	703	1,049	984	1.156	1,173	6.3	9.3	9.5	8.3	2.3
	Export	36	92	66	44	56	0.3	0.9	0.5	20.6	-9.5
	Net Imp.	667	957	918	1,112	1,117					
	Consump.	912	1,302	1,408	1,625	1,672	4.1	5.6	6.2	7.4	5.1
	SS-Rate	27	27	35	_ 32	33					
Asia	Produc,	2,847	3,657	4,210	4,224	4,288	13.1	16.3	16.5	5.1	3.2
	Import	680	793	1,192	1.256	1,268	6.1	7.0	10.2	3.1	9.8
	Export	85	122	162	196	165	0.8	1.2	1.4	7.5	6.2
	Net Imp.	595	671	1,030	1,060	1,103					
	Consump.	3,442	4,328	5,240	5,284	5,391	15.6	18.6	20.1	4.7	4.5
	SS-Rate	83	85	80	80	80					
Oceania	Produc.	395	483	540	569	677	1.8	2.1	2.6	4.1	7.0
	Import	223	324	340	285	256	2.0	2.9	2.1	7.8	-4.6
	Export	124	190	242	234	160	1.2	1.8	1.4	8.9	-3.4
	Net Imp.	99	134	98	51	96					
	Consump.	494	617	638	620	773	2.2	2.7	2.9	4.5	4.6
	SS-Rate	80	78	85	92	88					
Africa	Produc.	177	271	245	323	322	0.8	1.2	1.2	8.9	3.5
	Import	112	139	122	175	188	1.0	1.2	1.5	4.4	6.2
	Export	12	99	120	180	180	0.1	0.9	1.6	52.5	12.7
	Net Imp.	100	40	2	5	8					
	Consump.	277	311	247	318	330	1.3	1.3	1.2	2.3	1.2
	SS-Rate	64	87	99	102	98					

### Table All-1-2Production/Import/Export/Apparent Consumption of Newsprintin the World by Region (2)

(Unit: 1,000 MT)

Source: Yearbook of Forest Products, 1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

(and

Table All-1-3

Production/Import/Export/Apparent Consumption of Printing and Writing Paper in the World by Region (1)

(Unit: 1,000 MT)

										Jure: 110	
				•			S	hare (%)		Average Ral	e Growth .e (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc.	29,733	35,197	41,158	41,703	42,103	100.0	100.0	100.0	3.4	3.6
	Import	3,655	5,161	6,559	6,903	7,108	100.0	100.0	100.0	7.1	6.6
	Export	4,268	5,818	7,225	7,557	7,786	100.0	100.0	100.0	6.4	6.0
	Consump.	29,120	34,540	40,492	41.049	41,425	100.0	100.0	100.0	3.5	3.1
EC	Produc.	6,965	7,495	8,849	8,818	8.682	23.4	21.3	20.6	1.5	3.6
	Import	1,951	2,738	3,570	3,848	3,831	53.4	53.1	53.9	7.0	6.9
	Export	1,369	1.723	2,320	2.543	2,611	32.1	29.6	33.5	4.7	8.7
	Net Imp.	582	1,015	1,250	1.305	1,220					
	Consump.	7,547	8,510	10,099	10.123	9,902	25.9	24.6	23.9	2.4	3.1
	SS-Rate	92	88	. 88	87	88	2010			5.1	
Scandinavian 3	Produc	2,193	2,739	3,362	3,356	3,413	7.4	7.8	8.1	4.5	4.5
ooding ind i ton o	Import	36	59	90	100	116	1.0	1.1	1.6	10.4	14.5
	Export	1,518	2,121	2,491	2 411	2,553	35.6	36.5	32.8	6.9	3.8
	Net lap.	-1,482	-2,062	-2,401	-2,311	-2,437	0010	0010	0010		0,1
	Consump.	711	677	961	1,045	976	2.4	2.0	2.4	-1.0	7.6
	SS-Rate	308	405	350	321	350		5.0	D • 1	1.0	
Other W.Europe	Produc.	1,213	1,524	1.706	1.728	1,713	4.1	4.3	4.1	4.7	2.4
	Import	115	210	303	332	347	3.1	4.1	4.9	12.8	10.6
	Export	415	669	695	811	786	9.7	11.5	10.1	10.0	3.3
	Net Imp.	-300	-459	-392	-479	-439					
	Consump.	913	1,065	1,314	1,249	1,274	3.1	3.1	3.1	3.1	3.6
	SS-Rate	133	143	130	138	135	0.1				
Total W.Europe	Produc	10,371	11,758	13,917	13,902	13,808	34.9	33.4	32.8	2.5	3.3
ional albaropo	lmport	2,102	3,007	3,963	4,280	4,294	57.5	58.3	60.4	7.4	7.4
	Export	3,302	4,513	5,506	5,765	5,950	77.4	77.6	76.4	6.4	5.1
	Net Imp.	-1,200	-1,506	-1,543	-1,485	-1,656					
	Consump.	9,171	10,252	12,374	12,417	12,152	31.5	29.7	29.3	2.3	3.5
	SS-Rate	113	115	113	112	114	0110	2000	2010		
Eastern Europe	Produc	1,981	2.262	2,274	2,294	2,304	6.7	6.4	5.5	2.7	0.4
boropo	Import	288	345	443	426	466	7.9	6.7	6.6		6.2
	Export	208	230	273	298	325	4.9	4.0	4.2		7.2
	Net Imp.	80	115	170	128	141	310	710		<b>.</b>	• • •
	Consump.	2,061	2,377	2,444	2,422	2.445	7.1	6.9	5.9	2.9	0.6
	SS-Rate	96	95	93	95	94	1.1	010	v. J	0,0	0.1

	in the World by Region (2)						· · · ·			(Unit: 1,000 MT)			
							Sh	are (%)			e Growth te (%/y)		
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77		
North America	Produc,	11,998	13,811	15,227	15,282	15.390	40.4	39.2	36.6	2.9	2.2		
	Import	293	591	779	770	823	8.0	11.5	11.6	15.1	6.8		
	Export	534	719	865	858	843	12.5	12.4	10.8	6.1	3.2		
	Net Imp.	-241	-128	-86	-88	-20							
	Consump,	11,757	13,683	15,141	15,194	15,370	40.4	39.6	37.1	3.1	2.4		
	SS-Rate	102	101	101	101	100				·			
Latin America	Produc.	844	1,198	1,864	1,792	1,855	2.8	3.4	4.4	7.3	9.1		
	Import	315	391	268	230	214	8.6	7.6	3.0	4.4	~11.4		
	Export	26	77	179	235	211	0.6	1.3	2.7	24.3	22.3		
	Net Imp.	289	314	. 89	-5	3							
	Consump.	1,133	1,512	1,953	1,787	1,858	3.9	4.4	4.5	5.9	4.2		
	SS-Rate	75	79	95	100	100	•						
Asia	Produc.	4,194	5,743	7,292	7,816	8,180	14.1	16.3	19.4	6.5			
	Import	367	428	609	622	661	10.0	8.3	9.3	3.1	9.1		
	Export	168	256	361	366	422	3.9	4.4	5.4	8.8	10.5		
	Net Imp.	199	172	248	256	239			•				
	Consump.	4,393	5,915	7,540	8,072	8.419	15.1	17.1	20.3	6.1	7.3		
	SS-Rate	96	97	97	97	97		· .					
Oceania	Produc.	154	192	243	276	253	0.5	0.5	0.6	4.5			
	Import	152	163	210	252	325	4.2	3.2	4.6	1.4	14.8		
	Export	- 23	10	18	16	15	0.5	0.2	0.2	-15.3	8.4		
	Net Imp.	129	153	192	236	310	•		•				
	Consump.	283	345	435	512	563	1.0	1.0	- 1.4	4.0	10.3		
	SS-Rate	54	56	56		45		·····					
Africa	Produc,	192	234	341	341	314	0.6	0.7	0.7				
	Import	138	237	287	323	324	3.8	4.6	4.6		6.5		
	Export	8	13	23	19	19	0.2	0.2	0.2	10.2	7.9		
	Net Imp.	130	224	264	304	305							
	Consump.	322	458	605	645	619	1.1	1.3	1.5	7.3	6.2		
	SS-Rate	60	51	56	53	51	•						

Table All-1-3 Production/Import/Export/Apparent Consumption of Printing and Writing Paper in the World by Region (2)

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Source: Yearbook of Forest Products, 1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

							SI	hare (%)			e Growth te (%/y)
Region	ltem	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc.	86,172	94,225	104,963	103,384	97,292	100.0	100.0	100.0	1.8	0.6
	Import	10,346	11,294	14,313	13,975	13,981	100.0	100.0	100.0	1.8	4.4
	Export	10,227	11,956	15,534	15,000	14,422	100.0	100.0	100.0	3.2	3.8
· · · · ·	Consump.	86,291	93, 563	103,742	102,359	96,851	100.0	100.0	100.0	1.6	0.7
BC	Produc.	12,583	13,594	13,968	13,796	13,151	14.6	14.4	13.5	1.6	-0.7
	Import	5,810	5,997	6.976	6,981	7,074	56.2	53.1	50.6	0.6	3.4
	Export	1,459	2,367	2,784	2,880	2,830	14.3	19.8	19.6	10.2	3.6
	Net Imp.	4,351	3.630	4.192	4,101	4.244				1	
	Consump.	16,934	17,224	18,160	17,897	17,395	19.6	18.4	18.0	0.3	0.2
	SS-Rate	74	79	77	77	76					
Scandinavian 3	Produc.	5,774	5,602	6,420	6,367	6,223	6.7	5.9	6.4	-0.6	2.1
	Import	205	234	310	314	309	2.0	2.1	2.2	2.7	5.7
	Export	4,242	4,243	4,857	4,820	4,885	41.5	35.5	33.9	0.0	2.9
	Net Imp.	-4.037	-4,009	-4,547	-4,506	-4.576					
	Consump,	1,737	1,593	1,873	1,861	1,647	20	1.7	1.7	-1.7	0.7
· · · ·	SS-Rate	332	352	343	342	378			1		
Other W.Europe	Produc.	2,151	2,836	3,359	3,433	3,566	2.5	3.0	3.7	5.7	4.7
	lmport	450	493	540	-586	580	4 3	4.4	4.1	1.8	3.3
	Export	260	289	663	812	862	2.5	2.4	6.0	2.1	24.4
	Net Imp.	190	204	-123	-226	-282					
	Consump,	2,341	3,040	3,236	3,207	3,284	2.7	3.2	3.4	5.4	1.6
·	SS-Rate	92	93	104	107	109	· _		· ·		
Total W.Europe	Produc.	20,508	22,032	23,747	23,596	22,940	23.8	23.4	23.6	1.4	0.8
	Import	6,465	6,724	7,826	7,881	7,963	62.5	59.5	57.0	1 0.8	3.4
	Export	5,961	6,899	8,304	8,512	8,577	58.3	57.1	59 <i>.</i> 5	3.0	4.5
	Net Imp.	504	-175	-478	-631	-614					
	Consump.	21,012	21,857	23,269	22,965	22,326	24.4	23.4	23.1	0.8	0.4
	SS-Rate	98	101	102	103	103	:				
Eastern Europe	Produc.	8,670	11,241	11,155	11,312	11,378	10.1	11.9	11.7	5.3	0.2
	Import	1,004	1,244	1,442	1,382	1,354	9.7	11.0	9.7		1.7
	Export	726	1,131	1,149	1,121	1,083	7.1	9.5	1.5	9.3	-0.9
	Net imp.	278	113	293	261	271	1997 (A. 1997)				
	Consump	8,948	11,354	11,448	11,573	11,649	10.4	12.1	12.0	4.9	0.5
	SS-Rate	97	99	97	98	98					

Table All-1-4Production/Import/Export/Apparent Consumption of Other Paper and Paperboard<br/>in the World by Region (1)

(Unit: 1,000 MT)

							Sh	are (%)			e Growth te (%/y)	
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77	
North America	Produc.	39,651	39,783	44,860	45,085	39,390	46.0	42.2	40.5	0.1	-0.2	
	Import	408	476	745	496	556	3.9	4.2	4.0	3.1	3.2	
	Export	2,966	3,130	4,945	4,044	3.730	29.0	26.2	25.9	1.1	3.6	
	Net Imp,	-2,558	-2,654	-4.200	-3.548	-3,174						
	Consump.	37,093	37,129	40,660	41.537	36,216	43.0	39.7	37.4	0.0	-0.5	ı –
	SS-Rate	107	107	110	109	109						
Latin America	Produc,	3,157	3,993	5,373	5,129	5,287	3.7	4.2	5.4	4.8	5.8	
	Import	787	627	1,091	1,049	999	7.6	5.6	7.1	-4.4	9.8	
	Export	48	52	164	296	208	0.5	0.4	1.4	1.6	32.0	
	Net Imp.	739	575	927	753	791						
	Consump,	3,896	4,568	6,300	5,882	6,078	4.5	4.9	6.3	3.2	5.9	
	SS-Rate	81	87	85	87	87		••••				
Asia	Produc.	12, 493	15,092	17,485	15,908	15,986	14.5	16.0	16.4	3.9	1.2	
1.510	Import	1,172	1,611	2,453	2,368	2,327	11.3	14.3	16.6	6,6	7.6	
	Export	443	562	721	756	584	4.3	4.7	4.0	4.9	0.8	
	Net Imp.	729	1,049	1,732	1,612	1,743						
	Consump.	13,222	16,141	19,217	17,520	17,729	15.3	17.3	18.3	4.1	1.9	1
	SS-Rate	95	94	91	91	90	10.0		1010			
Oceania	Produc.	998	1,215	1,321	1.306	1,267	1.2	1.3	1.3	4.0	0.8	
	lmoort	130	174	200	210	226	1.3	1.5	1.6	5.0	5.4	
	Export	55	102	158	197	164	0.5	0.9	1.1	13.1	10.0	
	Net Imp.	75	72	42	13	62						
	Consump.	1,073	1,287	1,363	1.319	1,329	1.2	1.4	1.4	3.7	0.6	;
	SS-Rate	93	94	97	99	95						
Africa	Produc.	695	870	1,022	1,048	1,043	0.8	0.9	1.1	4.6	3.7	
	Import	380	439	556	590	556	3.7	3.9	4.0	2.9	4.8	
	Export	27	81	92	75	76	0.3	0.7	0.5	24.6	-1.3	;
	Net Imp.	353	358	464	515	480		•••		N 11 Q		
	Consump.	1,048	1,228	1,486	1,563	1,523	1.2	1.3	1.6	3.2	4.4	ļ
	SS-Rate	66	71	69	67	69		:	1.0	0.0		

Production/Import/Export/Apparent Consumption of Other Paper and Paperboard in the World by Region (2) Table All-1-4

(Unit: 1,000 MT)

Source: Yearbook of Forest Products, 1982 (FAO)

Notes: 1. SS-Rate: Self-sufficiency Rate (%) 2. Includes Household and Sanitary Paper, Wrapping and Packing Paper and Paperboard, Paper and Paperboard NES, and others.

							SI	nare (%)			e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc,	6,863	7.574	8,994	9,235	8,817	100.0	100.0	100.0	2.0	3.1
· · · ·	Import	253	178	357	327	335	100.0	100.0	100.0	-6.8	13.5
	Export	272	284	395	405	383	100.0	100.0	100.0	0.9	6.2
	Consump.	6,844	7,468	8,956	9,157	8,769	100.0	100.0	100.0	1.8	3.3
EC	Produc.	1,115	1,181	1,471	1,501	1,609	16.2	15.6	18.2	1.2	6.4
	laport	147	104	263	237	250	58.1	58.4	74.6	-6.7	19.2
	Export	86	72	112	125	128	31.6	25.4	33.4	-3.5	12.2
	Net Imp.	61	32	151	112	122	i i				
	Consump.	1,176	1,213	1,622	1,613	1,731	17.2	16.2	19.7	0.6	7.4
	SS-Rate	95	97	91	93	93					
Scandinavian 3	Produc.	324	331	400	423	416	4.7	4.4	4.7	0.4	4.7
	Import	13	4	8	10	12	5.1	2.2	3.6	-21.0	24.6
	Export	126	117	115	121	123	46.3	41.2	32.1	-1.5	1.0
	Net Imp.	-113	-113	-107	-111						
	Consump.	211	218	293	312	305	3,1	2.9	3.5	0.7	6.9
	SS-Rate	154	152	137	136	136					
Other W.Europe	Produc.	133	208	298	325	331	1.9	2.7	3.8	9.4	9.7
	Import		2	2	1	3		1.1	0.9		8.4
	Export	0	· 9·	9	13	20	-	3.2	5.2	0.0	17.3
	Net Imp.	0	-7	-7	-12	-17					
	Consump.	133	201	291	313	314	1.9	2.7	3.6	8.6	9.3
	SS-Rate	100	104	102	104	105				••••	
 Total W.Europe	Produc.	1,572	1,720	2,169	2.249	2,356	22.9	22.7	26.7	1.8	6.5
lotol modiopo	Import	160	110	273	248	265	63.2	61.8	79.1	-7.2	19.2
· .	Export	212	198	236	259	271	77.9	69.7	70.8	-1.4	6.5
	Net lmp.	-52	-88	37	-11	-6					•••
	Consump.	1,520	1,632	2,206	2.238	2,350	22.2	21.9	26.8	1.4	1.6
	SS-Rate	103	105	98	101	100	2210	2110			
Eastern Europe	Produc.	66	147	241	209	216	1.0	1.9	2.4	17.4	8.[
Sectors Baropo	Import	26	17	17	11	11	10.3	9.6	3.3		
	Export	17	21	28	28	36	6.3	7.4	9.4	4.3	
	Net Imp.	9	-4	-11	-17	-25					
	Consump.	75	143	230	192	191	1.1	1.9	2.2	13.8	6.0
	SS-Rate	88	103	105	109	113					

Table All-1-5Production/Import/Export/Apparent Consumption of Household and Sanitary Paperin the World by Region (1)

(Unit: 1,000 MT)

							Sh	are (%)			e Growth te (%∕y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
North America	Produc.	3,934	4,219	4,581	4,604	4,023	57.3	55.7	45.6	1.4	-0.9
	Import	18	16	16	18	7	7.1	9.0	2.1	-2.3	-15.2
	Export	16	56	100	85	51	5.9	19.7	13.3	28.5	-1.9
	Net Imp.	2	40	-84	-67	-44		•			-
	Consump.	3,936	4,179	4,497	4,537	3,979	57.5	56.0	45.4	1.2	-1.0
·	SS-Rate	100	101	102	102	101			<u>.</u>		
Latin America	Produc.	246	461	716	768	785	3.6	6.1	8.9	13.4	11.2
	Import	12	9	24	21	22	4.7	5.1	6.6	~5.6	19.6
	Export	0	4	10	12	9	0.0	1.4	2.3	0.0	17.6
	Net Imp.	12	5	14	9	13					
	Consump.	258	466	739	777	798	3.8	6.2	9.1	12.6	11.4
	SS-Rate	95	99	98	- 99	98			-		
Asia	Produc.	903	853	1,066	1,193	1,215	13.2	11.3	13.8	-1.1	7.3
	Import	17	19	20	21	21	6.7	10.7	6.3	2.2	2.0
	Export	14	4	6	13	- 9	5.1	1.4	2.3	-22.2	17.6
	Net Imp.	3	15	14	8	12					
	Consump.	906	868	1,080	1,201	1,227	13.2	11.6	14.0	-0.9	7.2
· .	SS-Rate	100	98	99	99	99				÷	•
Oceania	Produc.	104	124	149	140	151	1.5	1.6	1.7	3.6	4.8
	Import	10	3	1	1	2	4.0	1.7	0.6	-21.4	-7.8
	Export	11	0	0	0	0	4.0	0.0	0.0	-	-
	Net Imp.	-1	3	1	1	2					
	Consump.	103	127	150	141	153	1.5	1.7	1.7	4.3	3.8
	SS-Rate	101	98	99	99	99			'		
Africa	Produc.	38	51	72	72	72	0.6	0.7	0.8	6.1	7.1
	Import	10	6		8	8	4.0	3.4	2.4	-9.7	5.9
	Export	1	1	16	. 8	- 8	0.4	0.4	2.1	0.0	51.6
	Net Imp.	ĝ	ŝ	-9	0	. 0					
	Consump.	47	56	63 -	72	72	0.7	0.7	0.8	3.6	5.2
	SS-Rate	81	91	114	100	100					

### Production/Import/Export/Apparent Consumption of Household and Sanitary Paper in the World by Region (2) Table AlI-1-5

(Unit: 1,000 MT)

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

							St	nare (%)		_	e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc.	59,438	65,931	75,150	72,837	68,294	100.0	100.0	100.0	2.1	0.7
	Import	5,230	6,674	8,257	8,515	8,442	100.0	100.0	100.0	5.0	4.8
	Export	4,808	8,455	10,893	10,254	10,083	100.0	100.0	100.0	12.0	3.6
	Consump.	59,860	64,150	72.514	71,098	66,653	100.0	100.0	100.0	1.4	0.8
EC	Produc.	7,926	10.509	10,211	10,055	10,273	13.3	15.9	15.0	5.8	-0.5
	lmport	4,079	4,116	4,901	4,962	4,895	78.0	61.7	58.0	0.2	3.5
	Export	593	1.274	1,634	1,777	1,743	12.3	15.1	17.3	16.5	6.5
ана (1997) Алар	Net Imp.	3,486	2,842	3,267	3,185	3,152					
	Consump.	11,412	13,351	13,478	13,240	13,425	19.1	20.8	20.1	3.2	0.1
	SS-Rate	70	79	76	76	77		· · ·			
Scandinavian 3	Produc.	4,814	4,618	5,304	5,291	5,166	8.1	7.0	7.6	-0.8	2.3
	Import	52	62	: 143	152	148	1.0	0.9	1.8	3.6	19.0
	Export	3,354	3,100	3.451	3,361	3,401	69.8	36.7	33.7	-1.6	1.9
	Net Imp.	-3,302	-3,038	-3,308	-3,209	-3,253					
	Consump.	1,512	1,580	1,996	2,082	1,913	2.5	2.5	2.9	0.9	3.9
	SS-Rate	318	292	266	254	270					
Other W.Europe	Produc.	1,422	2,248	2,358	2,387	2,480	2.4	3.4	3.6	9.6	2.0
	Import	Û	391	429	438	383	0.0	5.9	4.5	-	-0.4
	Export	1	417	554	582	621	0.0	4.9	6.2	234.2	8.3
	Net Imp.	-1	-26	-125	-144	-238					
	Consump.	1,421	2.222	2,233	2,243	2.242	2.4	3.5	3.4	9.4	0.2
	SS-Rate	100	101	106	106	111	1 1				
Total W.Europe	Produc.	14,162	17,375	17,873	17.733	17,919	23.8	26.4	.2 26.2	4.2	0.6
	Import	4,131	4,569	5,473	5,552	5,426	79.0	68.5	64.3		
	Export	3,948	4,791	5,639	5,720	5,765	82.1	56.7	57.2	3.9	3.8
	Net Imp.	183	-222	-166	-168	-339					
	Consump.	14,345	17,153	17,707	17,565	17.580	24.0	26.7	26.4	3.6	0.5
	SS-Rate	99	101	101	101	102					
Eastern Europe	Produc.	1,740	2,333	2,150	2,058	2,050	2.9	3.5	3.0	6.0	-2.6
	Import	278	408	380	662	648	5.3	6.1	7.7		
	Export	114	565	567	532	560	2.4	6.7	5.6		
	Net Imp.	164	-157	-187	130	88					
	Consump.	1,904	2,176	1,963	2,188	2,138	3.2	3.4	3.2	2.7	-0.4
•	SS-Rate	91	107	110	94	96					

# Table All-1-6Production/Import/Export/Apparent Consumption of Wrapping and Packing Paper<br/>and Paperboard in the World by Region (1)

(Unit: 1,000 MT)

							Sh	are (%)			e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
North America	Produc.	33,699	32,643	38,088	38,280	33,444	56.7	49.5	49.0	-0.6	0.5
	Import	76	247	244	205	206	1.5	3.7	2.4	26.6	-3.6
	Export	537	2,658	4,069	3,357	3,096	11.2	31.4	30.7	37.7	3.1
	Net Imp.	-461	-2,411	-3,825	-3,152	-2,890					
	Consump.	33,238	30,232	34,263	35.128	30,554	55.5	47.1	45.8	-1.9	0.2
	SS-Rate	101	108	111	109	110		•			
Latin America	Produc.	1,832	2,966	3,945	3,859	4,056	3.1	4.5	5.9	10.1	6.5
	Import	326	414	738	700	659	6.2	6.2	7.8	4.9	9.7
	Export	2	14	74	131	93	0.0	0.2	0.9	47.6	46.0
	Net Imp.	324	400	664	569	566					
	Consump.	2,156	3,366	4,609	4,428	4,622	3.6	5.2	6.9	9.3	6.5
	SS-Rate	85	88	86	87	88	· · ·				
Asia	Produc.	6,655	8,941	11,185	8,992	8,946	11.2	13.6	13.1	6.1	0.0
liora	Import	275	753	1,003	937	1,053	5.3	11.3	12.5	22.3	6.9
	Export	193	277	358	304	387	4.0	3.3	3.8	7.5	6.9
	Net Imp.	82	476	645	633	666					
	Consump.	6,737	9,417	11,830	9,625	9,612	11.3	14.7	14.4	6.9	0.4
	SS-Rate	99	95	95	93	93					•
Oceania	Produc,	816	983	1,144	1,127	1,100	1.4	1.5	1.6	3.8	2.3
	Import	21	104	129	133	147	0.4	1.6	1.7	37.7	7.2
	Export	1	98	154	188	161	0.0	1.2	1.6	150.2	10.4
	Net Imp.	20	6	-25	-55	-14					
	Consump.	836	989	1,119	1,072	1,086	1.4	1.5	1.6	3.4	1.9
	SS-Rate	98	99	102	105	101					
Africa	Produc.	533	690	765	788	779	0.9	1.0	1.1	5.3	2.5
	Import	124	180	290	325	303	2.4	2.7	3.6		11.0
	Export	13	52	32	22	22	0.3	0.6	0.2	32.0	-15.8
	Net Imp.	111	128	258	303	281			-		
	Consump.	644	818	1,023	1,091	1,060	1.1	1.3	1.6	4.9	5.3
	SS-Rate	83	84	75	72	74		-			

### Production/Import/Export/Apparent Consumption of Wrapping and Packing Paper and Paperboard in the World by Region (2) Table All-1-6

(Unit: 1,000 NT)

U.S.R.

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

					· · · · · · · · · · · · · · · · · · ·		·				
				÷			SI	hare (%)			e Growth te (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc.	10,453	9,551	9,193	9,567	8,696	100.0	100.0	100.0	-1.8	-1.9
	Import	2,653	3,636	4,330	4,391	4,568	100.0	100.0	100.0	6.5	4.7
	Export	1,503	2,896	3,970	4,084	3.703	100.0	100.0	100.0	14.0	5.0
	Consump.	11,603	10,291	9,553	9,874	9,561	100.0	100.0	100.0	-2.4	-1.8
EC	Produc.	3,424	1,728	2,067	2,032	1.316	32.8	18.1	15.1	-12.8	-5.3
	laport	1,053	1.777	1,812	1,783	1,928	39.7	48.9	42.2	11.0	1.6
	Export	452	820	1.037	980	961	30.1	28.3	26.0	12.7	3.2
	Net Imp.	601	957	. 175	803	967					
	Consump.	4,025	2,685	2,842	2,835	2,283	34.7	26.1	23.9	-7.8	-3.2
	SS-Rate	85	64	73	72	58					
Scandinavian 3	Produc.	636	653	716	653	641	6.1	6.8	7.4	0.5	-0.4
-	Import	140	168	158	152	150	5.3	4.6	3.3		-2.2
	Export	762	1,026	1.292	1,339	1.360	50.7	35.4	36.7	6.1	5.8
	Net Imp.	-622	-858	-1,134	-1,187	-1,210					
	Consump.	14	-205	-418	-534	-569	0.1	-2.0	-6.0	-14.6	22.7
	SS-Rate	4,543	-318	-171	-122	-113					
Other W.Europe	Produc.	596	381	703	722	756	5.7	4.0	8.7	-8.6	14.7
•	Import	1	79	80	114	164	0.0	2.2	3.6	139.6	15.7
	Export	0	62	100	213	220	8.0	2.1	5.9		28.8
	Net Imp.	· 1	17	-20	-99	-56					
	Consump.	597	398	683	623	700	5.1	3.9	7.3	-7.8	12.0
:	SS-Rate	100	96	103	116	108	.:				
Total W.Europe	Produc.	4,656	2,762	3,486	3,407	2,713	44.5	28.9	31.2	-9.9	-0.4
	Import	1,194	2.024	2.050	2,049	2,242	45.0	55.7	49.1		2.1
	Export	1,214	1,908	2,429	2,532	2,541	80.8	65.9	68.6		5.9
	Net Imp.	-20	116	-379	-483	-299	••••			0.0	
	Consump.	4,636	2,878	3,107	2,924	2,414	40.0	28.0	25.2	-9.1	-3.5
· · · ·	SS-Rate	100	96	112	117	112	1010	50.0	2010		
Eastern Europe	Produc	595	905	1,205	1,287	1,349	5.7	9.5	15.5	8.7	8.3
Sector a paropo	Import	371	375	375	640	622	14.0	10.3	13.6		
	Export	45	370	374	416	347	3.0	12.8	9.4		
	Net Imp.	326	5	1	224	275	0.0	1010		04.4	
	Consump.	921	910	1,206	1,511	1,624	7.9	8.8	17.0	-0.2	12.
	SS-Rate	65	100	100	85	83		0.0	*110	0.6	14/1

Production/Import/Export/Apparent Consumption of Paper and Paperboard NES in the World by Region (1)

Table AII-1-7

		i.					Sh	are (%)			e Growth te (%/y)
Region	l tem	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
North America	Produc.	2,018	2,921	2, 191	2,201	1,923	19.3	30.6	22.1	7.7	-8.0
	Import	-96	213	484	272	344	3.6	5.9	7.5	17.3	10.1
	Export	82	416	776	603	584	5.5	14.4	15.8	38.4	7.0
	Net Imp.	14	-203	-292	-331	-240				-	•
	Consump.	2,032	2,718	1,899	1,870	1,683	17.5	26.4	17.6	6.0	-9.1
	SS-Rate	99	108	115	118	114		<b>_</b>			
Latin America	Produc.	787	509	679	529	488	7.5	5.3	5.6	-8.3	-0.8
	Import	185	173	296	284	272	7.0	4.8	6.0	-1.3	9.5
	Export	20	13	69	136	91	1.3	0.4	2.5	-8.3	47.6
	Net Imp.	165	160	227	148	181					
	Consump.	952	669	906	677	669	8.2	6.5	7.0	-6.8	0.0
	SS-Rate	83	76	75	78	73					·
Asia	Produc.	2,294	2,304	1.530	2,029	2,132	21.9	24.1	24.5	0.1	-1.5
	Import	543	611	891	906	853	20.5	16.8	18.7	2.4	6.9
	Export	124	176	313	382	129	8.3	6 1	3.5	7.3	-6.0
	Net Imp.	419	435	578	524	724					
	Consump.	2,713	2,739	2,108	2,553	2,856	23.4	26.6	29.9	0.2	0,8
	SS-Rate	85	84	73	80	75			an a' an An an		
Oceania	Produc.	78	108	27	39	16	0.7	1.1	0.2	6.7	-31.7
	Import	115	64	64	70	71	4.3	1.8	1.6	-11.1	2.1
	Export	14	4	4	9	3	0.9	0.1	0.1	-22.2	-5.6
	Net Imp.	101	60	60	61	68					
	Consump.	179	168	87	100	84	1.5	1.6	0.9	-1.3	-12.9
	SS-Rate	44	64	31	39	19					
Africa	Produc.	25	42	75	75	. 75	0.2	0.4	0.9	10.9	12.3
	Import	149	177	169	170	164	5.6	4.9	3.6	3.5	-1.5
	Export	4	10	- 5	. 7	7	0.3	0.3	0.2	20.1	-6.9
	Net Imp.	145	167	164	163	157					
	Consump.	170	209	239	238	232	1.5	2.0	2.4	4.2	2.1
	SS-Rate	15	20	31	32	32			•		

Table All-1-7 Production/Import/Export/Apparent Consumption of Paper and Paperboard NES in the World by Region (2)

(Unit: 1,000 MT)

1

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

### Annex II-2

### PRODUCTION/IMPORT/EXPORT APPARENT CONSUMPTION OF PAPER AND PAPERBOARD BY KIND IN LATIN AMERICAN COUNTRIES

### (NOTES)

1. Sources: Yearbook of Forest Products, 1972-1982 (FAO)

2. Produc.: Production Net Imp.: Net Import Consump.: Apparent Consumption

3. Net Import = Import - Export

4. Apparent Consumption = Production + Import - Export

5. SS-Rate = Production/Apparent Consumption x 100

6. "Paper & Paperboard Total" includes "Newsprint", "Printing & Writing Paper", and "Other Paper & Paperboard".

7. "Other Paper & Paperboard" includes "Household & Sanitary Paper", "Wrapping & Packing Paper & Paperboard", "Paper & Paperboard NES", and others.

	1972						
	1316	1977	1980	1981	1982	1977/72	1982/77
Produc.	981	1,463	1,979	1,893	1,914	8.3	5.5
Import	189	570	588	625	625	24.7	1.9
Export	2	. 6 .	9	13	. 13	24.6	16.7
Net Imp.	187	564	579	612	612		
Consump. SS-Rate	1,168 84	2,027 72	2,558 77	2,505 76	2,526 76	11.7	4.5
Produc,	40	90	116	129	125	17.6	6.8
Import	55	297	200	351	351	40.1	3.4
-		· 0	0			-	
						32 4	4.2
SS-Rate	42	23	37	27	26	00.4	
Produc.	141	304	526	427	452	16.6	8.3
							-27.7
•						-	
•		-	-				
-					1	15.1	-1.5
SS-Rate	53	57	89	90	91		1.0
Produc	800	1.069	1.337	1.337	1.337	6.0	4,6
· · · · ·							42.4
	-						16.7
-						24.0	10.1
						6 5	7.1
			81		86	0.0	1.1
		196	104	004		10.0	14 5
						12.2	14.5
•	-	-	-	-			-
		-	-			~	-
	-		. *	-	-		
						12.2	14.5
SS-Rate	100	100	100	100	100		
Produc.	616	881	1,109	1.120	1,106	7.4	4.7
laport						-	38.3
Export	0		0 -		0 :		-
Net Imp.	. 0	35	250		177	•	
Consump.	616	916	1,359	1,297	1,283	8.3	7.0
SS-Rate	100	96	82	86	86		
Produc.	113	44	44	51	55	-17.2	4.6
Import	0	4	72	50	50	-	65.7
Export	Ó	0	.0	0	0	-	_
	Ð	4	72	50	-50		
		•				-15.7	16.9
•					52		
	Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate	Export         2           Net Imp.         187           Consump.         1,168           SS-Rate         84           Produc.         40           Import         55           Export         0           Net Imp.         55           Consump.         95           SS-Rate         42           Produc.         141           Import         125           Consump.         266           SS-Rate         53           Produc.         800           Import         8           Export         2           Net Imp.         125           Consump.         266           SS-Rate         53           Produc.         800           Import         8           Export         2           Net Imp.         6           Consump.         71           SS-Rate         99           Produc.         71           SS-Rate         100           Produc.         616           Import         0           Consump.         616           SS-Rate         100 <td>Export         2         6           Net Imp.         187         564           Consump.         1,168         2,027           SS-Rate         84         72           Produc.         40         90           Import         55         297           Export         0         0           Net Imp.         55         297           Consump.         95         387           SS-Rate         42         23           Produc.         141         304           Import         125         233           Export         0         0           Net Imp.         125         233           Consump.         266         537           SS-Rate         53         57           Produc.         800         1,069           Import         8         39           Export         2         6           Net Imp.         6         33           Consump.         806         1,102           SS-Rate         99         97           Produc.         71         126           Import         0         0</td> <td>Export         2         6         9           Net Imp.         187         564         579           Consump.         1,168         2,027         2,558           SS-Rate         84         72         77           Produc.         40         90         116           Import         55         297         200           Export         0         0         0           Net Imp.         55         297         200           Consump.         95         387         316           SS-Rate         42         23         37           Produc.         141         304         526           Import         125         233         65           Export         0         0         0           Net Imp.         125         233         65           Consump.         266         537         591           SS-Rate         53         57         89           Produc.         809         1,069         1,337           Import         8         39         322           Export         2         6         9           Net Imp.         <t< td=""><td>Export         2         6         9         13           Net Imp.         187         564         579         612           Consump.         1.168         2.027         2.558         2.505           SS-Rate         84         72         77         76           Produc.         40         90         116         129           Import         55         297         200         351           Export         0         0         0         0           Net Imp.         55         297         200         351           Consump.         95         387         316         480           SS-Rate         42         23         37         27           Produc.         141         304         526         427           Import         125         233         65         46           Consump.         266         537         591         473           SS-Rate         53         57         89         90           Produc.         800         1.069         1.337         1.337           Import         8         39         322         228           <t< td=""><td>Export         2         6         9         13         13           Net Imp.         187         564         579         612         612           Consump.         1,168         2,027         2,558         2,505         2,526           SS-Rate         84         72         77         76         76           Produc.         40         90         116         129         125           Import         55         297         200         351         351           Export         0         0         0         0         0           Net Imp.         55         297         200         351         351           Consump.         95         387         316         480         476           SS-Rate         42         23         37         27         26           Produc.         141         304         526         427         452           Import         125         233         65         46         46           Consump.         266         537         591         473         498           SS-Rate         53         57         89         90         91<td>Export         2         6         9         13         13         24.6           Net Imp.         187         564         579         612         612         612           Consump.         11.68         2.027         2.558         2.505         2.526         11.7           SS-Rate         84         72         77         76         76         76           Produc.         40         90         116         129         125         17.6           Import         55         297         200         351         351         40.1           Export         0         0         0         0         -         -         -           Net Imp.         55         297         200         351         351         -           Consump.         95         387         316         480         476         32.4           SS-Rate         42         23         37         27         26         -         -           Produc.         141         304         526         427         452         16.6         13.3           SS-Rate         53         57         89         90         91</td></td></t<></td></t<></td>	Export         2         6           Net Imp.         187         564           Consump.         1,168         2,027           SS-Rate         84         72           Produc.         40         90           Import         55         297           Export         0         0           Net Imp.         55         297           Consump.         95         387           SS-Rate         42         23           Produc.         141         304           Import         125         233           Export         0         0           Net Imp.         125         233           Consump.         266         537           SS-Rate         53         57           Produc.         800         1,069           Import         8         39           Export         2         6           Net Imp.         6         33           Consump.         806         1,102           SS-Rate         99         97           Produc.         71         126           Import         0         0	Export         2         6         9           Net Imp.         187         564         579           Consump.         1,168         2,027         2,558           SS-Rate         84         72         77           Produc.         40         90         116           Import         55         297         200           Export         0         0         0           Net Imp.         55         297         200           Consump.         95         387         316           SS-Rate         42         23         37           Produc.         141         304         526           Import         125         233         65           Export         0         0         0           Net Imp.         125         233         65           Consump.         266         537         591           SS-Rate         53         57         89           Produc.         809         1,069         1,337           Import         8         39         322           Export         2         6         9           Net Imp. <t< td=""><td>Export         2         6         9         13           Net Imp.         187         564         579         612           Consump.         1.168         2.027         2.558         2.505           SS-Rate         84         72         77         76           Produc.         40         90         116         129           Import         55         297         200         351           Export         0         0         0         0           Net Imp.         55         297         200         351           Consump.         95         387         316         480           SS-Rate         42         23         37         27           Produc.         141         304         526         427           Import         125         233         65         46           Consump.         266         537         591         473           SS-Rate         53         57         89         90           Produc.         800         1.069         1.337         1.337           Import         8         39         322         228           <t< td=""><td>Export         2         6         9         13         13           Net Imp.         187         564         579         612         612           Consump.         1,168         2,027         2,558         2,505         2,526           SS-Rate         84         72         77         76         76           Produc.         40         90         116         129         125           Import         55         297         200         351         351           Export         0         0         0         0         0           Net Imp.         55         297         200         351         351           Consump.         95         387         316         480         476           SS-Rate         42         23         37         27         26           Produc.         141         304         526         427         452           Import         125         233         65         46         46           Consump.         266         537         591         473         498           SS-Rate         53         57         89         90         91<td>Export         2         6         9         13         13         24.6           Net Imp.         187         564         579         612         612         612           Consump.         11.68         2.027         2.558         2.505         2.526         11.7           SS-Rate         84         72         77         76         76         76           Produc.         40         90         116         129         125         17.6           Import         55         297         200         351         351         40.1           Export         0         0         0         0         -         -         -           Net Imp.         55         297         200         351         351         -           Consump.         95         387         316         480         476         32.4           SS-Rate         42         23         37         27         26         -         -           Produc.         141         304         526         427         452         16.6         13.3           SS-Rate         53         57         89         90         91</td></td></t<></td></t<>	Export         2         6         9         13           Net Imp.         187         564         579         612           Consump.         1.168         2.027         2.558         2.505           SS-Rate         84         72         77         76           Produc.         40         90         116         129           Import         55         297         200         351           Export         0         0         0         0           Net Imp.         55         297         200         351           Consump.         95         387         316         480           SS-Rate         42         23         37         27           Produc.         141         304         526         427           Import         125         233         65         46           Consump.         266         537         591         473           SS-Rate         53         57         89         90           Produc.         800         1.069         1.337         1.337           Import         8         39         322         228 <t< td=""><td>Export         2         6         9         13         13           Net Imp.         187         564         579         612         612           Consump.         1,168         2,027         2,558         2,505         2,526           SS-Rate         84         72         77         76         76           Produc.         40         90         116         129         125           Import         55         297         200         351         351           Export         0         0         0         0         0           Net Imp.         55         297         200         351         351           Consump.         95         387         316         480         476           SS-Rate         42         23         37         27         26           Produc.         141         304         526         427         452           Import         125         233         65         46         46           Consump.         266         537         591         473         498           SS-Rate         53         57         89         90         91<td>Export         2         6         9         13         13         24.6           Net Imp.         187         564         579         612         612         612           Consump.         11.68         2.027         2.558         2.505         2.526         11.7           SS-Rate         84         72         77         76         76         76           Produc.         40         90         116         129         125         17.6           Import         55         297         200         351         351         40.1           Export         0         0         0         0         -         -         -           Net Imp.         55         297         200         351         351         -           Consump.         95         387         316         480         476         32.4           SS-Rate         42         23         37         27         26         -         -           Produc.         141         304         526         427         452         16.6         13.3           SS-Rate         53         57         89         90         91</td></td></t<>	Export         2         6         9         13         13           Net Imp.         187         564         579         612         612           Consump.         1,168         2,027         2,558         2,505         2,526           SS-Rate         84         72         77         76         76           Produc.         40         90         116         129         125           Import         55         297         200         351         351           Export         0         0         0         0         0           Net Imp.         55         297         200         351         351           Consump.         95         387         316         480         476           SS-Rate         42         23         37         27         26           Produc.         141         304         526         427         452           Import         125         233         65         46         46           Consump.         266         537         591         473         498           SS-Rate         53         57         89         90         91 <td>Export         2         6         9         13         13         24.6           Net Imp.         187         564         579         612         612         612           Consump.         11.68         2.027         2.558         2.505         2.526         11.7           SS-Rate         84         72         77         76         76         76           Produc.         40         90         116         129         125         17.6           Import         55         297         200         351         351         40.1           Export         0         0         0         0         -         -         -           Net Imp.         55         297         200         351         351         -           Consump.         95         387         316         480         476         32.4           SS-Rate         42         23         37         27         26         -         -           Produc.         141         304         526         427         452         16.6         13.3           SS-Rate         53         57         89         90         91</td>	Export         2         6         9         13         13         24.6           Net Imp.         187         564         579         612         612         612           Consump.         11.68         2.027         2.558         2.505         2.526         11.7           SS-Rate         84         72         77         76         76         76           Produc.         40         90         116         129         125         17.6           Import         55         297         200         351         351         40.1           Export         0         0         0         0         -         -         -           Net Imp.         55         297         200         351         351         -           Consump.         95         387         316         480         476         32.4           SS-Rate         42         23         37         27         26         -         -           Produc.         141         304         526         427         452         16.6         13.3           SS-Rate         53         57         89         90         91

# Table All-2-1.Production/Import/Export/Apparent Consumption of<br/>Paper and Paperboard by Kind in Mexico

(Unit: 1,000 MT)

							Ave. Growth 1	Rate (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	748	539	713	669	745	-6.3	6.7
board Total	Import	220	181	247	208	95	-3.8	-12.1
	Export	11	26	15	9	7	18.8	-23.1
	Net Imp.	209	155	232	199	88		
	Consump.	957	694	945	868	833	-6.2	3.7
	SS-Rate	78	78	75	77	89		
Newsprint	Produc.	3	16	97	110	90	39.8	41.3
	Import	182	160	174	137	49	-2.5	-21.1
	Export		1	-		1	· -	-
	Net Imp.	182	159	174	137	48		
	Consump,	185	175	271	247	138	-1.1	-4.6
	SS-Rate	2	9	36	45	65		
Printing &	Produc.	122	142	152	139	155	3.1	1.8
Writing Paper .	Import	10	12	38	34	19	3.7	9.6
· ·	Export	6	21	11	5	3	28.5	-32.2
	Net Imp.	4	-9	27	29	16		
	Consump,	126	133	179	168	171	1.1	5.2
	SS-Rate	97	107	85	83	91		
Other Paper &	Produc.	623	381	464	420	500	-9.4	5.6
Paperboard	Import	28	10	35	37	26	-18.6	21.1
	Export	5	5	4	5	. 3	0.0	-9.7
	Net Imp.	23	5	31	32	23		
	Consump.	646	386	495	452	523	-9.8	6.3
	SS-Rate	96	99	94	93	96		
Household &	Produc.	40	38	39	45	45	-1.0	3.4
Sanitary Paper	Import	0	0	0	0	· 0	· _	-
	Export	0	0	Û	0	0	·	-
	Net Imp.	0	0	0	0	. 0		
	Consump.	40	38	39	45	45	-1.0	3.4
	SS-Rate	100	100	100	100	100		· · · · · · · · · · · · · · · · · · ·
Wrapping &	Produc,	178	270	377	352	400	8.7	8.2
Packing Paper	Import	0	0	5	10	3	-	-
& Paperboard	Export	0	0	0	Ó	0	· –	-
	Net Imp.	0	0	5	10	3		
	Consump.	178	270	382	362	403	8.7	8.3
• •	SS-Rate	100	100	99	97	99		
Paper & Paper-	Produc.	404	73	48	23	55	-29.0	-5.5
board NES	Import	0	10	30	27	24	: <del>-</del>	19.1
	Export	Ó	Ū	0	0	. 0	-	-
	Net Imp.	0	10	30	27	24		
	Consump.	404	83	78	50	79	-27.1	-1.0
	SS-Rate	100	88	62	46	70		•

### Table AII-2-2 Production/Import/Export/Apparent Consumption of Paper and Paperboard in Argentina

Tabl	eΛ	II-1	2-3
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3 Production/Import/Export/Apparent Consumption of Paper and Paperboard in Brazil

							Ave. Growth I	Rate (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	1345	2135	3362	3103	3228	9.7	8.6
board Total	Import	255	270	266	242	225	1.2	-3.6
	Export	10	39	191	329	270	31.3	47.3
	Net Imp.	245	231	75	-87	-45		
	Consump.	1590	2366	3437	3016	3183	8.3	6.1
	SS-Rate	85	90	98	103	101		
lewsprint	Produc.	107	107	116	118	106	0.0	-0.2
	lmport	139	234	221	218	206	11.0	~2.5
	Export	2	Û	1	• 1	1	0.0	-
	Net Imp.	137	234	220	217	205		
	Consump.	244	341	336	335	311	6.9	-1.8
	SS-Rate	44	31	35	35	34		
Printing &	Produc.	362	476	860	864	898	5.6	13.5
riting Paper	Import	91	17	18	5	3	-28.5	-29.3
	Export	. 7	32	128	201	187	35.5	42.3
	Net Imp.	84	-15	-110	-196	-184		10.0
	Consump.	446	461	750	668	714	0.7	9.1
	SS-Rate	81	103	115	129	126		
)ther Paper &	Produc.	876	1552	2386	2121	2224	12.1	7.5
Paperboard	Import	26	20	26	20	16	-5.1	-4.4
oporooard	Export	1	Ĩ	62	127	-83	47.6	64.0
	Net Imp.	25	13	-36	-107	-67	11.0	0.110
	Consump.	901	1565	2350	2014	2157	11.7	6.6
· .	SS-Rate	97	99	102	105	103		0.0
lousehold &	Produc.	62	143	232	228	227	18.2	9.7
Sanitary Paper	Import	6	1	1	0	• 0	-30.1	_
	Export	Ū	Ō	3	5	4		
-	Net Imp.	6	ĭ	-2	-5	-4		
	Consump.	68	144	230	223	223	16.2	9.1
	SS-Rate	91	99	101	102	102	1010	0,1
Arapping &	Produc.	603	1053	1616	1479	1669	11.8	
Packing Paper	Import	2	4	17			14.9	-
& Paperboard	Export	ī	ĺ	6	7	6	0.0	43.1
·	Net Imp.	. 1	· 3	11	-7	-6		
	Consump.	604	1056	1627	1472	1663	11.8	9.5
	SS-Rate	100	100	99	100	100		0.0
Paper & Paper-	Produc.	211	355	538	414	328	11.0	-1.6
board NES	Import	18	15	9	19	16	-3.6	1.3
	Export		ĨĞ	53	115	$\hat{73}$	-	64.8
	Net Imp.	18	ě	-44	-96	-57		
	Consump.	229	364	494	318	271	9.7	-5.7
	SS-Rate	92	98	109	130	121		V. I

							Ave. Growth	late (%∕y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	281	296	374	327	317	1.0	1.4
board Total	Import	12	0	· 0	· 0	0	:	
	Export	47	100	89	65	.73	16.3	-6.1
	Net Imp.	-35	-100	-89	~65	-73		
	Consump.	246	196	285	262	244	-4.4	4.5
	SS-Rate	114	151	131	125	130		
Newsprint	Produc.	95	132	131	131	124	6.8	-1.2
	Import	0	0	0	0	. 0	· _	-
	Export	34	87	65	43	55	20.7	-8.8
	Net Imp.	-34	-87	-65	-43	-55		
	Consump.	61	45	66	88	69	-5.9	8.9
	SS-Rate	156	293	198	149	180		
Printing &	Produc.	50	44	48	48	48	-2.5	1.8
Writing Paper	Import	5	· Û	0	0	0	-	-
	Export	0	12	15	14	9	· -	-5.6
	Net Imp.	5	~12	-15	-14	-9		
	Consump.	55	32	33	34	39	-10.3	4.0
	SS-Rate	91	138	145	141	123		
Other Paper &	Produc.	136	120	195	148	145	-2.5	3.9
Paperboard	Import	7	0	0	0	0	-	-
	Export	13	- 1	9	. 9	9	-40.1	55.2
	Net Imp.	-6	-1	-9	-9	~9		
	Consump,	130	119	186	139	136	-1.8	2.1
	SS-Rate	105	101	105	106	107		
llousehold &	Produc.	13	18	42	32	31	6.7	11.5
Sanitary Paper	laport	1	0	0	0	0	-	-
-	Export	0	0	0	0	0	. –	-
	Net Imp.	1	0	0	0	0		
	Consump.	14	18	42	32	31	5.2	11.5
	SS-Rate	93	100	100	100	100		
Wrapping &	Produc.	86	95	137	104	102	2.0	1.4
Packing Paper	Import	4	0	0	0	0	-	. –
& Paperboard	Export	. 0	0	0	· 0	0.		-
	Net Imp.	4	0	0	0	0		
	Consump.	90	95	137	104	102	1.1	1.4
	SS-Rate	96	100	100	100	100	-	
Paper & Paper-	Produc.	37	7	16	12	12	-28.3	11.4
board NES	Import	1	0	. 0	0	0	. <b>-</b>	
	Export	13	• 1	9	9	9	-40.1	55.2
	Net Imp.	-12	-1	-9	-9	-9		
	Consump.	25	- 6	1	3	- 3	-24.8	-12.9
	SS-Rate	148	117	229	400	400		

### Table All-2-4 Production/Import/Export/Apparent Consumption of Paper and Paperboard in Chile

				-			Ave. Growth M	late (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/7
Paper & Paper-	Produc.	250	281	351	407	366	2.4	5.4
board Total	Import	80	74	151	213	186	-1.5	20.2
•	Export	6	1	43	106	68	-30.1	132.
	Net Imp.	74	73	108	107	118		
	Consump.	324	354	459	514	484	1.8	6.
	SS-Rate	77	79	76	79	76		
Newsprint	Produc.	0	0	0	0	0		
•	Import	61	44	52	96	95	-6.3	16.0
	Export	Ō	Ö	Ũ	Õ	Õ	-	100
	Net Imp.	61	44	52	96	95		
	Consump.	61	44	52	96	95	-6.3	16.0
	SS-Rate	0	11	0	0	0	0.0	10.0
•••••	33-Mare		0	U			· · · · · · · · · · · · · · · · · · ·	
Printing &	Produc.	55	61	71	84	70	2.1	2.8
Writing Paper	Import	1	8	24	.6	7	51.6	-2.6
	Export	3	1	3	1	1	-19.7	0.1
	Net Imp.	-2	7	21	5	6		
	Consump.	53	68	92	89	76	5.1	2.
·	SS-Rate	104	90	77	94	92		
Other Paper &	Produc.	195	220	280	323	296	2.4	6.
Paperboard	Import	19	22	74	111	84	3.0	30.1
	Export	3		40	105	67	-	
	Net Imp.	16	22	34	6	17		
	Consump.	211	242	314	329	313	2.8	5.3
	SS-Rate	92	91	89	98	95		
Household &	Produc.		22	45	54	45	0.0	15.4
Sanitary Paper		Ō	0	0	Ő	ñ	-	
	Export	ŏ	Õ	õ	ŏ	Ŏ	<u>ب</u>	
	Net Imp.	Ő	. 0.	õ	õ	ĩ		
	Consump.	Ő	22	45	54	45	· _	15.
	SS-Rate	Ő	100	100	100	100		10.
Wrapping &	Produc,	0	193	221	253	227	·	3.1
Packing Paper	Import	ŏ	22	60	88	62	-	23.
& Paperboard	Export	Ŭ	0	40	105	67	· _	20.
a labernoara	Net Imp.	0	22	20	-17	-5		
	Consump.	0	215	241	236	222	_	0.
	SS-Rate	0	90	92	107	102		U.,
Paper & Paper-	Dradua	0	5	14	16	24		36.
• •		-		14	16		-	30.
board NES	Import	0	0	15	24	22	· –	
	Export	· 0	0	0	0	<u>(</u> )	-	
	Net Imp.	0	- 0	15	24	22		
	Consump.	0.	5	29	40	46	-	55.
	SS-Rate	0	100	48	40	52		

### Table AII-2-5Production/Import/Export/Apparent Consumption of<br/>Paper and Paperboard in Colombia

								,
							Ave. Growth F	late (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	13	34	26	31	34	21.2	0.0
board Total	Import	163	67	65	66	66	-16.3	-0.3
	Export	0	0	Û	0	. 0	-	-
	Net Imp.	163	67	65	66	66		
	Consump.	176	101	91	97	100	-10.5	-0.2
	SS-Rate	7	34	29	32	34		
Newsprint	Produc.	0		Û	0	0		÷
	Import	16	28	33	32	32	11.8	2.7
	Export	0	0	0	0	0	-	-
	Net Imp.	16	28	33	32	32		
	Consump.	16	28	33	32	32	11.8	2.7
	SS-Rate	0	0	0	0	0		
Printing &	Produc.	0	3	4	5	5	0.0	10.8
Writing Paper	Import	6	13	19	19	19	16.7	7.9
	Export	Ó	0	0	0	0	-	-
	Net imp.	6	13	19	19	19		
	Consump.	6	16	23	24	24	21.7	8.4
	SS-Rate	Ő	19	17	21	21		
Other Paper &	Produc.	13	31	22	27	29	19.0	-1.3
Paperboard	Import	141	26	14	16	16	-28.7	-9.3
	Export	0	0	0	Q	0	-	-
	Net Imp.	141	26	14	16	16		
	Consump.	154	57	36	43	45	-18.0	-4.6
	SS-Rate	8	54	61	63	64		
Household &	Produc.	0	5	12	16	17		27.7
Sanitary Paper		- 0	8	0	Ó	0	-	
	Export	Ō	Ō	Ō	Ő	Û	-	-
	Net Imp.	Ŏ	Õ	Õ	Õ	Ó		
	Consump.	ŏ	5	12	16	17	-	27.7
	SS-Rate	Ö	100	100	100	100		
Wrapping &	Produc.	0	26	8	9	10		-17.4
Packing Paper	Import	139	25	12	14	14	-29.0	-10.9
& Paperboard	Export	Û	Õ	Õ	Ū	Ō	-	-
	Net Imp.	139	25	12	14	14		
	Consump.	139	51	2Õ	23	24	-18.2	-14.0
	SS-Rate	Û	51	40	39	42	1012	
Paper & Paper-	Produć,		0	1	2	2		
board NES	Import	ĩ	i	ī	2	2	0.0	14.9
	Export	Ô	Ō	Ô	Õ	·Ō		
	Net Imp.	ĭ	1	1	2 .	2		
	Consump.	1	1	2	4	4	0.0	32.0
	SS-Rate	8		50	50	50	•••	
	V0 110 VV	u u		00	~~	~•		

# Table All-2-6Production/Import/Export/Apparent Consumption of<br/>Paper and Paperboard in Ecuador

						 1982	Ave. Growth	Rate (%/y)
		1972	1977	1980	1981		1977/72	1982/77
Paper & Paper-	Produc.	155	149	205	272	357	-0.8	19.1
board Total	lmport	73	62	19	47	54	-3.2	-2.7
	Export	21	12	2	2	- 2	-10.6	-30.1
	Net Imp.	52	50	17	45	52		
	Consump.	207	199	222	317	409	~0.8	15.5
	SS-Rate	75	75	92	86	87		
Newsprint	Produc.	0	0	30	25	110	0.0	0.0
	Import	58	56	7	32	39	~0.7	-7.0
	Export	0	5	0	0	0	-	-
	Net Imp.	58	51	7	32	39		
	Consump.	58	51	37	57	149	~2.5	23.9
	SS-Rate	0	0	81	44	74		
Printing &	Produc.	33	41	42	68	68	4.4	10.6
Writing Paper	lmport	6	0	3	6	6	-	-
	Export	5	0	0	Û	0	•• ·	-
	Net Imp.	1	0	3	6	6		
	Consump.	34	41	45	74	74	3.8	12.5
	SS-Rate	97	100	93	92	92		
Other Paper &	Produc.	122	108	133	179	179	-2.4	10.6
Paperboard	Import	9	6	10	. 9	9	-7.8	. 8. 4
	Export	16	7	2 -	2	2	-15.2	-22.2
	Net Imp.	-7	-1	8	7	- 7		
	Consump.	115	107	141	186	186	-1.4	11.1
	SS-Rate	106	101	94	96	96		
Household &	Produc.	11	17	19	22	22	9.1	5.3
Sanitary Paper	laport	0	0	0	0	0	· _	-
	Export	Û	0	. 0		8	<u>.</u>	-
	Net Imp.	0	0	0	0	0		
	Consump,	11	17	19	22	22	9.1	5.3
	SS-Rate	100	100	100	100	100		
Wrapping &	Produc.	111	88	111	157	157	-4.5	12.3
Packing Paper & Paperboard	laport	9	1	7	2	2	-	14.9
	Export	0	6	1	1	1	-	-30,
	Net Imp.	0	-5	6	1	1		
	Consump.	111	83	117	158	158	-5.6	13.
	SS-Rate	100	106	95	99	99		
Paper & Paper-	Produc.	0	3	3	0	0		
board NES	Import	Ó	5	3	7	7	-	7.1
	Export	0	1	1	1	· 1	•• *	0.1
	Net Imp.	Ó	4	2	6	6		
	Consump.	Ó	7	5	6	6	-	~3.
	SS-Rate	0	43	60	0	0		

### Table All-2-7Production/Import/Export/Apparent Consumption of<br/>Paper and Paperboard in Peru

								1,000 017
	· · · · · · · · · · · · · · · · · · ·						Ave. Growth	Rate (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	37	35	52	44	44	-1.1	4.7
board Total	lmport	14	13	25	26	26	-1.5	14.9
	Export	0	4	9	7	7	. –	11.8
	Net Imp.	14	9	16	19	19		
	Consump.	51	44	68	63	63	-2.9	7.4
	SS-Rate	73	80	76	70	70		
Newsprint	Produc.	0	0	0	0	0	-	
	Import	13	12	17	22	22	-1.6	12.9
	Export	0	0	0	0	0	-	-
÷	Net Imp.	13	. 12	17	22	22		
	Consump.	13	12	17	22	22	-1.6	12.9
	SS-Rate	0	Û	0	0	0		· .
Printing &	Produc.	12	11	25	20	20	-1.7	12.7
Writing Paper	Import	0	0	4	2	2	-	-
	Export	0	4	8	6	6	-	8.4
	Net Imp.	. 0	-4	4	~4	-4		
	Consump.	12	7	21	16	16	-10.2	18.0
	SS-Rate	100	157	119	125	125		
Other Paper &	Produc.	25	24	27	24	24	-0.8	0.0
Paperboard	Import	1	1	4	2	2	0.0	14.9
	Export	0	1	1	1	1	-	0.0
	Net Imp.	1	0	3	1	1		
	Consump,	26	24	30	25	25	-1.6	0.8
	SS-Rate	96	100	90	96	96		
Household &	Produc.	6	. 4	6	6	6	-7.8	8.4
Sanitary Paper	Import	0	0	. 0	0	Û	-	. –
	Export	0	0	0	0	Û	-	-
	Net Imp.	0	0	0	0	0		
	Consump.	6	4	6	6	- 6	-7.8	8.4
	SS-Rate	100	100	100	100	100		· · · ·
Wrapping &	Produc.	12	16	20	18	18	5.9	2.4
Packing Paper	Import	0	0	0	1	1	+	-
& Paperboard	Export	0	0	0	· 0	0	-	-
	Net Imp.	. 0	0	0	. 1	-1		
	Consump.	12	16	20	19	19	5.9	3.5
	SS-Rate	100	100	100	95	95		
Paper & Paper-	Produc.	7	4	0	0	0	-10.6	
board NES	Import	1	1	3	2	2	0.0	14.9
	Export	0	1	1	1	1	-	0.0
	Net Imp.	1	0	2	1	1		
	Consump.	8	4	2	1	1	-12.9	-24.2
	SS-Rate	88	188	0	0	Q		

### Table AII-2-8 Production/Import/Export/Apparent Consumption of Paper and Paperboard in Uruguay

							Ave. Growth I	late (%∕y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Paper & Paper-	Produc.	276	464	479	479	479	10.9	0.6
board Total	lmport	132	196	226	226	226	8.2	2.9
	Export	0	0	Û	0	0	-	-
	Net Imp.	132	196	226	226	226		
	Consump.	408	660	705	705	705	10.1	1.3
	SS-Rate	68	70	68	68	68		
Newsprint	Produc.	0	0	0	0	0	-	_
	lmport	78	107	140	140	- 140	6.5	5.5
	Export	0	0	0	0	0		-
	Net Imp.	78	107	140	140	140		
	Consump.	78	107	140	140	140	6.5	5.5
	SS-Rate	0	Û	0	0	0		
Printing &	Produc,	35	69	84	84	84	14.5	4.0
Writing Paper	Import	14	19	25	25	25	6.3	5.6
	Export	Ō	0	0	Ō	Ō	-	-
	Net Imp.	14	19	25	25	25		
	Consump.	49	88	109	109	109	12.4	4.4
	SS-Rate	71	78	17	77	17		
Other Paper &	Produc.	241	395	395	395	395	10.4	0.0
Paperboard	Import	40	70	61	61	61	11.8	-2.7
	Export	Ũ	Ö	Ő	Ô	Ő	-	-
	Net Imp.	40	70	61	61	61		
	Consump.	281	465	456	456	456	10.6	-0.4
	SS-Rate	86	85	87	87	87		····
Household &	Produc.	37	68	91	91	91	12.9	6.0
Sanitary Paper		Û	Õ	0	0	Ō		
	Export	· 0	ŏ	Ō	0	Ō	-	-
	Net imp.	Ŏ	Ō	0	0	Ō		
	Consump.	37	68	91	91	91	12.9	6.0
	SS-Rate	100	100	100	100	100		
Wrapping &	Produc.	195	309	309	309	309	9.6	0.0
Packing Paper	Import	. 0	20	19	19	19	· · · · · ·	-1.0
& Paperboard	Export	Ō	Ō	0	0	0	-	
	Net Imp.	Ŏ	20	19	19	19		
	Consump.	195	329	328	328	328	11.0	-0.1
	SS-Rate	100	94	94	94	94		
Paper & Paper-	Produc.	9	18	7	7	7	14.9	-17.2
board NES	Import	õ	50	42	42	42	-	-3.4
	Export	Å.	Ő	Ō	0	0	-	
	Net Imp.	-4	50	42	42	42		
	Consump.	5	68	49	49	49	68.5	-6
	CONSCRA-		VV		40		VU+V	¥.

# Table AII-2-9Production/Import/Export/Apparent Consumption of<br/>Paper and Paperboard in Venezuela

(Unt: 1,000 MT)

#### Annex II-3

### RATES OF IMPORT/APPARENT CONSUMPTION OF NEWSPRINT IN MAJOR IMPORTING COUNTRIES (1972-1982)

(NOTE)

 Assumption to select the major importing countries or exporting countries is that the volume of import or export in 1982 is more than the following figures excluding the centrally planned countries:

		(Unit:	1,000	CUM)
	Import	<u>]</u>	Export	
Pulpwood	400		400	

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(1972-1982)
Countries
Importing
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Consumption o
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of Impo
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Table All

4											(Unit: 1,(	(TH 000
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Mexico	Import	55	105	139	186	191	297	97	110	200	351	351
	Consump.	95	144	179	215	247	387	181	205	316	480	476
	Rate⊂(%)	58	73	78	87	77	77	54	54	63	73	74
U.S.A.	Import	6,442	6,722	6,712	5, 305	5,959	5,950	6, 787	6, 552	6,594	6,330	5,924
	Consump,	9,442	9,772	9,621	8, 308	8,928	9,031	9, 919	9, 933	10,570	10,838	10,219
	Rate (%)	68	69	70	64	67	66	68	66	62	58	58
Brazil	Import	139	127	115	30	73	234	225	203	221	218	206
	Consump.	244	254	236	154	200	341	352	319	336	335	311
	Rate (%)	57	50	49	19	37	69	64	64	66	65	66
Venezuela	a Import	78	86	100	86	91	107	133	135	140	140	140
	Consump.	78	86	100	86	91	107	133	135	140	140	140
	Rate (%)	100	100	100	100	100	100	100	100	100	100	100
Belux	Import	109	114	146	105	111	129	128	137	134	119	117
	Consump.	175	184	216	161	172	189	194	206	202	187	185
	Rate (%)	62	62	68	65	65	68	66	67	66	64	63
Denmark	Import	176	181	137	126	143	134	170	179	153	164	158
	Consump.	176	181	136	126	143	134	169	178	152	164	157
	Rate (%)	100	100	101	100	100	100	101	101	101	190	101
France	Import	252	289	342	165	318	327	326	329	371	350	311
	Consump.	580	592	614	402	578	586	611	599	628	612	555
	Rate (%)	43	49	56	41	56	56	53	55	59	57	56
W.Germany Import	/ Import	666	714	714	655	684	734	723	827	869	782	751
Consum	Consump	1,145	1.205	1,149	1,077	1,103	1,189	1.164	1,350	1,394	1,372	1, 323
Rate ((	Rate (%)	58	59	62	61	62	62	62	61	62	57	57
Nether- lands	Import Consump. Rate (%)	216 336 64	246 350 70	268 382 70	257 359 72	262 360 73	280 383 73	306 412 74	349 447 78	332 458 72	288 431 67	287 429 67
ltaly	Import Consump. Rate (%)	$\begin{array}{c}2\\304\\1\end{array}$	8 262 3	11 274 4	12 245 5	12 267 4	217 9	255 9 9	32 277 12	64 328 20	321 321 31	122 316 39
U.K.	Import	1,130	1,165	1,276	943	1,134	964	1, 033	1,069	1,077	1,363	1,269
	Consump.	1,598	1,604	1,657	1,257	1,451	1, 252	1, 331	1,395	1,382	1,463	1,345
	Rate (%)	71	73	77	75	78	77	78	77	78	93	94

Table .	Table AII-3-1	Rates of	of Import/Apparent Consumption of	arent Consu	Imption of	Newsprint	in Major I	Newsprint in Major Importing Countries	Countries	(1972-1982)	(2)	
											(Unit: 1,000	00 MT)
		1972	1973	1974	1975	1976	1101	1978	1979	1980	1981	1982
Spain	Import Consump. Rate (X)	68 194 35	77 211 36	109 224 49	102 204 50	81 188 43	66 172 38	48 158 30	165 35 35	58 163 36	101 208 49	140 232 60
Hong Kong Import Consump Rate (X	Import Consump. Rate (%)	50 102	61 58 105	57 55 104	55 54 102	69 63 110	62 59 105	87 84 104	93 90 103	104 90 116	102 88 116	102 88 116
India	Import Consump, Rate (%)	154 196 79	117 161 73	141 196 72	101 153 66	125 182 69	168 224 75	168 217 77	232 285 81	232 279 83	232 279 83	232 279 83
Japan	Import Consump. Rate (%)	2,089 4	2,153 4	92 2,213 4	2,083 1	40 2,285 2	42 2,317 2	52 2,444 2	2,555 3	127 2,703 5	165 2,638 6	244 2,838 9
Australia Import Consump. Rate (%)	Import Consump. Rate (%)	221 403 55	258 457 56	283 484 58	325 521 62	217 423 51	321 528 -61	266 471 56	295 503 59	337 557 61	278 524 53	252 606 42

Source: Yearbook of Forest Products, 1982 (FAO)

			· · · · · · · · · · · · · · · · · · ·								(Unit: 1,	1,600 MT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	Export Produc. Rate (%)	7,350 8,079 91	7,617 8,351 91	7,892 8,711 91	6,349 7,010 91	6,997 8,062 87	7,266 8,154 89	7,868 8,812 89	7,778 8,709 89	7,707 8,625 89	7,987 8,946 89	7,078 8,117 87
U. S. A.	Export Produc. Rate (%)	131 3, 131 4	3,138 3,38	171 3,080 6	3, 150 3, 153 5	115 3,084 4	117 3,198 4	75 3,207 2	65 3,446 2	159 4,135 4	245 4,753 5	279 4.574 6
Finland	Export Produc. Rate (%)	1,310 1,397 94	1,321 1,386 95	1.137 1.219 1.293	776 992 78	867 991 87	840 973 86	1,113 1,126 99	1,392 1,513 92	1,432 1,569 91	1,542 1,703 91	1,339 1,501 89
H.Germany	y Export Produc. Rate (%)	25 514 5	516° 516°	87 522 17	64 686 13	82 501 16	89 544 16	80 521 15	88 611 14	81 606 13	90 680 13	108 680 16
Norway	Export Produc. Rate (2)	452 534 85	451 527 86	459 509 90	381 435 88	380 466 82	340 435 78	369 482 77	462 568 81	523 589 89	573 691 83	567 668 85
Sweden	Export Produc. Rate (%)	768 963 81	850 1,076 79	944 1,223 77	921 1, 213 76	861 1,164 74	847 1.111 76	$1, 031 \\ 1, 258 \\ 82 \\ 82$	1,240 1,484 1,884	1,238 1,534 81	1, 301 1, 605 81	1, 031 1, 323 78
S.Africa	Export Produc. Rate (X)	12 164 7	57 217 26	30 200 15	15 210 7	63 212 30	99 254 39	150 212 71	100 226 44	120 224 54	180 300 60	180 300 60
Japan	Export Produc. Rate (X)	51 2,060 2	44 2,106 2	112 2,233 5	107 2,160 5	96 2,341 4	95 2,370 4	90 2,482 4	100 2,566 4	98 2,674 4	136 2,609 5	121 2,715 4
New Zea- land	Export Produc. Rate (%)	124 213 58	111 218 51	120 209 57	106 219 48	164 275 60	190 276 69	196 277 71	208 260 80	241 319 76	234 323 72	159 322 49

Table All-3-3 Rates of Import/Apparent Consumption of Printing and Writing Paper in Major Importing Countries (1972-1982)(1)

				-							(Unit: 1,0	I,000-MT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	lmport	58	64	65	147	196	116	118	103	127	208	147
	Consump.	595	639	731	550	706	809	910	994	985	1,076	972
	Rate (%)	10	10	9	27	28	14	13	11	13	19	15
U.S.A.	Import	235	269	290	9, 966	308	475	858	1,044	652	562	676
	Consump.	11,162	12,167	12,239	9, 966	12,101	12,874	13,952	14,857	14,156	14,118	14, 398
	Rate (%)	2	2	2	2	3	4	6	7	5	4	5
Belux	Import	242	299	302	156	240	249	296	352 :	338	338	352
	Consump.	327	415	496	284	392	390	448	509	486	486	500
	Rate (%)	74	72	61	55	61	64	66	69	70	70	70
Denmark	lmprot	62	69	116	92	121	119	134	141	136	130	136
	Consump.	122	124	174	136	176	176	193	201	191	190	189
	Rate (%)	51	56	67	68	69	68	69	70	71	68	72
France	Import	329	369	375	362	389	387	493	539	597	591	609
	Consump.	1,701	1.834	1,831	1.411	1, 737	1.727	2, 221	2, 051	2,080	2,064	2,099
	Rate (%)	19	20	20	26	22	22	22	26	29	29	29
W.Germany Import	Import	687	724	698	605	832	851	960	1,062	1, 077	1,154	1,107
Consum	Consump.	2,226	2,361	2, 490	2,043	2,570	2,638	2,891	3,107	3, 271	3,264	3,093
Rate (	Rate (%)	31	31	28	30	32	32	33	34	33	35	36
Italy	Import	31	43	67	34	64	50	68	185	148	178	212
	Consump.	1,076	1,314	1,299	977	1,346	1,319	1,483	1,641	1,617	1,591	1.508
	Rate (%)	3	3	5	3	5	4	5	6	9	11	14
Nether- lands	Import Consump. Rate (%)	216 524 41	286 510 56	311 550 57	249 461 54	266 588 45	365 605 60	342 667 51	374 587 54	394 681 58	413 644 64	348 588 59
И. К.	Import	355	417	533	531	488	670	766	867	815	991	1,005
	Consump,	1,492	1,565	1,752	1,425	1.356	1.550	1,699	1,783	1,640	1,769	1,816
	Rate (X)	24	27	30	37	36	43	45	49	58	56	55
Spain	lmport	22	469	47	53	57	63	60	73	82	94	111
	Cosnump.	425	469	588	510	571	575	520	763	756	714	735
	Rate (%)	5	6	8	10	10	11	12	10	11	13	15

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Table AII-3-3 Rates of Import/Apparent Consumption of Printing and Writing Paper in Major Importing Countries (1972-1982)(2)

							•			(Unit: 1,000	(TH 00
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1361	1982
S.Africa Import Consump.	47 134	105 194	151 262	74 144	80 179	66 174	60 193	49 208	93 257	104 271	104 271
Rate (%)	35	54	58	51	45 .	38	31	24	36	38	38
Nong Kong Import	60	81	65	51	92.	22	111	118	117	134	134
Consump.	57	72	61	47	10	77	111	118	112	129	129
Rate (%)	105	113	107	109	109	100	106	100	104	104	104
Australla Import	140	147	159	164	83	143	129	160	181	234	289
Consump.	247	267	316	311	193	303	271	336	375	455	492
Rate (%)	57	55	50	53	43	47	48	48	48	51	53
Source: Yearbook of Forest		Products, 1982	2 (FAO)								- - -

Table AII-3-4	II-3-4	Rates of E	Export/Production	duction of	Printing	and Writing	g Paper in	Major Expo	Exporting Cour	Countries (197	(1972-1982) (1	(1)
-											(Unit: 1,(	1,000 MT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canade	Export	344	317	390	276	332	416	524	634	653	564	655
	Produc.	881	892	1,056	679	842	1,109	1.316	1,525	1,511	1,432	1,480
	Rate (%)	39	36	37	41	39	38	40	42	43	39	44
U.S.A.	Export	190	234	320	366	383	303	280	210	212	294	13,910
	Produc,	11,117	12,132	12,269	10,142	12,176	12,702	13,374	14,023	13, 716	13,850	I3,910
	Rate (%)	2	2	3	4	3	2	2	1	2	2	I
Brazil	Export	7	24	17	8	26	32	78	102	128	201	187
	Produc.	362	369	430	417	445	476	627	755	860	864	898
	Rate (%)	2	7	4	2	6	7	12	14	15	23	21
Belux	Export	294	309	250	202	251	253	262	272	238	288	288
	Produc.	379	425	444	330	403	394	414	429	436	436	436
	Rate (%)	78	73	56	61	62	64	63	63	66	66	66
Finland	Export	1,007	1,246	1,501	1.177	1,325	1,526	1,634	1.616	1,750	1,700	1,871
	Produc.	1,303	1,627	1,833	1,340	1,527	1,686	1,906	1.877	2,027	2,093	2,171
	Rate (%)	77	77	82	88	87	91	86	86	86	81	86
France	Export Produc, Rate (%)	208 1.580 13	214 1,679 13	335 1,791 19	262 1,311 20	282 1,630 17	$   \begin{array}{c}     344 \\     1,684 \\     20   \end{array} $	$   \begin{array}{c}     452 \\     2,180 \\     21 \\   \end{array} $	515 2.027 25	528 2,011 26	536 2,009 27	2,011 26 26
H.Germany	y Export	417	532	522	278	464	539	594	. 664	685	840	964
	Produc.	1,956	2,169	2,314	1,716	2,202	2,326	2,525	2, 709	2,879	2,950	2,950
	Rate (%)	21	25	23	16	21	23	24	25	24	28	33
Italy	Export Produc. Rate (%)	161 1,206 13	113 $1,384$ $8$	136 1,368 10	111 1,054 11	188 1,470 13	212 1,481 *14	303 1.718 18	351 1,887 19	330 1,799 18	$   \begin{array}{c}     393 \\     1,806 \\     22   \end{array} $	373 1,669 22
Nether- lands	Export Produc. Rate (%)	207 515 40	307 531 58	316 555 57	194 406 48	196 518 38	261 501 52	216 541 40	251 564 45	284 571 50	269 500 54	260 500 52
Norway	Export	214	231	231	163	187	193	232	238	231	169	158
	Produc.	270	346	369	292	300	287	304	350	337	267	250
	Rate (%)	79	67	63	56	62	67	76	68	69	63	63
Sweden	Export	297	394	445	278	314	402	469	520	510	542	524
	Produc.	620	788	579	448	506	55	907	999	998	996	992
	Rate (%)	48	50	77	62	62	52	52	52	51	54	53

Rates of Export/Production of Printing and Writing Paper in Major Exporting Countries (1972-1982) (2) Table AII-3-4

Austria       Export       363       429       462       410       506       527       526       561       562       624       618       646         Product.       502       577       602       523       601       594       596       524       618       646       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       91       96       96       91       96       96       91       96       96       91       96       96       91       96       96       91       96       96       96       91       96       96       91       96       96       91       96       96       91       96       91       96       91       96       91       91       96       91       91       91       96       91       91       96       91       91       91       91       96       84       132       171       137       14,137       4,589       84       5       6       6       6			101	1010	F-51	0101	20124		0-01	7	1001	TOCT	1001
3       429       462       410       506       527       526       561       562         2       577       602       523       601       594       596       624       618         2       77       77       78       801       594       596       624       618         2       118       194       194       192       182       170       230       247         2       118       194       192       182       170       230       247       4,         8       2.820       2.937       2.772       3.050       3.103       3.416       3.771       4.137       4,         7       7       6													
2       557       602       523       601       594       596       624       618         2       77       77       77       78       84       89       88       90       91         2       118       194       194       192       182       170       230       247       618         2       118       194       192       182       170       230       247       4,         8       2.820       2.937       2.772       3.050       3.103       3.416       3.771       4.137       4,         5       4       7       7       6	Austria	Front	363	494	462	ÜLV	50.5	597	526	195	562	600	613
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Deplet							300		1010		
2     77     77     77     78     84     89     88     90     91       2     118     194     192     182     170     230     247       8     2.820     2.937     2.772     3.050     3.103     3.416     3.771     4.137     4.       5     4     7     7     6     6     5     5     6     6       Products, 1982 (Fa0)		rroduc.	- 780		700	070	100	1980	020	720	010	040	100
2     118     194     194     192     182     170     230     247       8     2,820     2,937     2,772     3,050     3,103     3,416     3,771     4,137       5     4     7     7     6     6     5     6     6       Products, 1982 (F40)		Rate (X)	72	22	11	78	84	89	88	06	16	96	66
2     118     194     194     192     182     170     230     247       8     2.820     2.937     2.772     3.050     3.103     3.416     3.771     4.137       5     4     7     7     6     5     5     6     6       Products, 1982 (F40)													
8 2.820 2.937 2.772 3.050 3.103 3.416 3.771 4.137 4 5 4 2 7 7 6 6 5 5 5 6 6 6 Products, 1982 (FAO)	Japan	Export	132	118	194	194	192	182	170	230	247	259	345
5 4 7 7 6 6 6 5 5 6 6 8 Products, 1982 (FAO)		Produc.	2,448	2.820	2.937	2.772	3.050	3,103	3.416	3.771	4.137	4,589	4,847
Products, 1982 (FAO)		Rate (%)	ດ	4	~	r	9	9	<u>م</u> ا	9	9	9	r-
Products,													
L'ouuc LS,		Vanabash of			(083) 66								
	solutions.	IGAIDOOK OT			07 (LHU).								

./Apparent Consumption of Other Paper and Paperboard in Major Importing Countries (1972–1982)(1)	(Unit: 1,000 MT)
Rates of Import/Ap	
Table All-3-5	

				—			;					
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	lmport Consump. Rate (%)	$\begin{array}{c}190\\2,633\\7\end{array}$	208 2,762 8	294 2,932 10	384 2.229 17	358 2,508 14	234 2,214 11	201 2,326 9	193 2,361 8	133 2,191 6	170 2,388 7	183 2,084 9
Mexico	Import	8	14	37	7	45	39	41	112	322	228	228
	Consump.	806	937	1,059	904	1,036	1,102	1,197	1,335	1,650	1, 552	1,552
	Rate (%)	1	1	3	1	4	4	3	8	20	15	15
U.S.A.	Import Consump, Rate (%)	218 34,460 1	283 35, 192 1	240 33,620 1	139 29,687 0	33,652 0	242 34,915 1	424 35,896 1	429 39, 311 1	612 38,469 2	325 39, 148 1	374 34,133 1
Belux	lmport	444	508	537	371	499	478	514	525	511	511	542
	Consump,	641	693	714	541	674	621	669	703	675	675	706
	Rate (%)	69	73	75	69	74	77	77	75	76	76	77
Denmark	Import	276	326	319	268	320	311	321	345	336	347	353
	Consump.	415	459	431	358	448	441	449	454	385	371	377
	Rate (X)	67	71	74	75	71	71	71	76	87	94	94
France	Import	917	992	1,101	709	1, 050	897	978	1,108	1,141	1.130	1,164
	Consump.	3, 240	3,435	3,699	2.965	3, 336	3,205	3,059	3,579	3,488	3.469	3,445
	Rate (%)	28	29	30	24	31	28	32	31	33	33	34
W.Germany Import	lmport	1,630	1, 711	1,554	1,194	1,503	1,551	1,681	1,829	1, 794	1,797	1,855
Consump	Consump.	4,746	4, 952	4,588	3,824	4,557	4,608	4,694	5,051-	4, 963	4,952	4,860
Rate (%)	Rate (%)	34	35	34	31	33	34	36	36	36	36	38
Italy	lmport	470	548	598	275	348	379	479	621	649	538	525
	Consump.	2,490	2,787	2,873	2,222	2,869	2, 755	3,092	3,320	3,350	3,139	2,909
	Rate (%)	19	20	21	12	12	14	15	19	19	17	18
Nether- lands	Import Consump. Rate (%)	332 1,000 33	385 1,873 36	414 1,114 37	305 836 36	572 995 57	426 1,015 42	620 987 63	720 1,079 67	709 1,044 68	734 1,014 72	176 1.093 71
U.K.	Import	1.570	1,638	1,916	1,180	1,485	1, 760	1,697	1,791	1,619	1,680	1,614
	Consump.	4.057	4,368	4,460	3,341	4,128	4, 349	4,256	4,351	3,811	3,824	3,578
	Rate (%)	39	38	43	35	36	40	40	41	42	44	45

Rates of Import/Apparent Consumption of Other Paper and Paperboard in Major Importing Countries (1972-1982)(2) Table AII+3-5

1972 Hong Kong Import 255 Consump. 245 Consump. 246 Australia Import 96 Australia Import 97 Rate (%) 11 Iran Import 105 Iran Consump. 137											
1.22 1.22 1.	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
a. 🛠 a	258 249 104	257 239 108	194 183 166	199 196 102	299 295 101	290 300 97	360 373 97	365 381 96	378 370 102	366 358 102	366 358 358
Import Consump.	96 876 11	115 930 12	180 989 18	163 949 17	136 940 14	157 1,030 15	154 1,019 15	177 1,090 16	177 1,176 15	192 1,138 17	206 1,109 19
Rate (%)	105 137 77	98 138 71	95 126 75	201 235 86	184 223 83	210 249 84	210 249 84	210 243 86	210 243 86	210 243 86	210 243 86
Japan Import Consump. 8,9 Rate (%)	8, 913 1	173 10,875 2	234 10,356 2	110 8,373	145 9,784 1	10,052	338 10,571 3	289 11, 389 3	455 11.313 4	419 9,672 4	444 10,005 4

Source: Yearbook of Forest Products, 1982 (FAO)

Rates of Export/Production of Other Paper and Paperboard in Major Exporting Countries (1972-1982) (1) Table All-3-6

											(Unit: 1,0	I,000 MT)
		1972	1973	1974	1975	9761	1977	1978	1979	1980	1981	1982
Canada	Export	635	781	813	533	737	908	1,033	1, 084	1,196	1,007	909
	Produc.	3, 078	3, 335	3.451	2,378	2,887	2,888	3,158	3, 252	3,254	3,225	2,810
	Rate (%)	21	23	24	22	26	31	33	33	37	31	32
U.S.A.	Export	2, 331	2,217	2,670	2,053	2, 371	2, 222	1.343	2,556	3,749	3.037	2.821
	Produc.	36, 573	37,126	36,050	31,601	35, 862	36, 895	36.815	41,438	41,606	41.860	36.580
	Rate (%)	6	6	7	6	7	6	4	6	9	7	8
Belux	Export	311	126	135	269	116	123	141	158	162	162	162
	Produc.	311	311	312	37	291	266	296	336	326	326	326
	Rate (%)	37	41	43	37	40	46	48	47	50	50	50
Finland	Export	1,770	1,918	1,965	1,183	1,506	1,449	1,553	1, 736	1,686	1,664	1.689
	Produc.	2,271	2,440	2,471	1,662	2,032	1,955	2,108	2, 348	2,323	2,339	2,223
	Rate (%)	78	79	80	1,662	74	74	74	74	73	71	76
France	Export Produc. Rate (%)	297 2,620 11	358 2,801 13	395 2,993 13	295 2,551 12	378 2,664 14	389 2,697 14	407 2,496 16	482 2,953 16	533 2,880 19	$ \begin{array}{c} 541 \\ 2,880 \\ 19 \\ 19 \end{array} $	526 2,808 19
W.Germany	r Export	383	537	719	455	663	687	791	902	926	1,011	1,161
	Produc.	3,499	3,778	3,753	3.085	3,717	3,734	3,804	4,124	4,095	4,166	4,166
	Rate (%)	11	14	19	15	18	18	21	22	23	24	23
Nether- lands	Export Produc. Rate (%)	252 920 27	336 1,024 33	385 1,085 35	257 788 33	540 963 56	412 1,001 41	647 1,014 64	669 1.028 65	624 959 65	620 900 69	583 900 65
Norway	Export	308	324	351	230	280	284	296	317	294	277	260
	Produc.	523	530	567	420	491	464	454	482	447	415	387
	Rate (%)	59	61	62	55	57	61	65	66	66	67	67
Sweden	Expaort	2,164	2,487	2,600	1,706	2, 222	2,510	2,870	3, 033	2,877	2,879	2.936
	Produc.	2,980	3,340	3,703	2,812	3, 335	3,183	3,537	3, 798	3,650	3,613	3,613
	Rate (%)	73	74	70	61	67	79	81	80	79	80	81
U.K.	Export	185	230	323	183	235	289	253	269	296	229	229
	Produc.	2,672	2,960	2,867	2,344	2,878	2,878	2,812	2,829	2,488	2,373	2,193
	Rate (%)	7	8	11	8	8	10	9	10	12	10	10
Austria	Export	195	233	242	216	250	232	253	292	285	336	324
	Produc.	531	611	657	584	640	659	676	770	822	847	865
	Rate (%)	37	38	37	37	39	35	37	38	35	40	37

Rates of Export/Production of Other Paper and Paperboard in Major Exporting Countries (1972-1982) (2) Table All-3-6

											(Unit: 1,000 MT)	100 MT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Portugal	Portugal Export Produc. Rate (%)	184 184 8	199 10 10	50 242 21	302 302 29	110 273 40	115 370 31	103 356 29	148 402 37	130 376 35	130 393 33	393 393 33
Spain	Export Produc. Rate (X)	25 1,107 2	35 35 1,240 3	41 1,321 3	36 1,229 3	54 1,365 4	66 1,452 5	105 1,480 7	157 1,695 9	114 1,741	207 1,765 12	249 1,888 13
Switzer- Export land Produc Rate (	Export Produc. Rate (%)	330 330 8	376 11	.76 395 19	51 277 18	3385 25	77 355. 22	362 362 24	122 407 30	136 420 32	139 428 32	159 420 38
Japan	Export Produc. Rate (%)	293 9,140 3	347 11,049 3	353 10,475 3	405 8,668 5	364 10,003 4	388 388 10,229	368 10,601 3	424 11,524 4	419 11,277 4	390 9,643 4	245 9,806 2
		4	007	1000 10001			-					

Source: Yearbookof Forest Products, 1982 (FAO)

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#### Annex II-4

## PRODUCTION/IMPORT/EXPORT/ APPARENT CONSUMPTION OF WOOD PULP IN THE WORLD BY REGION

#### (NOTES)

1.	Produc.:	Production
	Net Imp.:	Net Import
	Consump.:	Apparent Consumption

2. Net Import = Import - Export

3. Apparent Consumption = Production + Import - Export

4. SS-Rate = Production/Apparent Consumption x 100

5. "EC" includes West Germany, France, Italy, the Netherlands, Belux, the U.K., Ireland and Denmark and Greece through 1972 to 1982, though the U.K., Ireland and Denmark joined in 1973 and Greece joined in 1981.

6. "Scandinavian 3" includes Finland, Norway and Sweden.

Production/import/Export/Apparent Consumption of Total Hoodpulp in the World by Region (1)

Table AII-4-1

Region         Item         1972         1977         1980         1981         1982         1972           Morld Total         Froduc.         108.018         116.693         126.619         120.517         100.0           Morld Total         Export         16.381         15.619         21.579         1933         100.0           Export         16.381         17.105         5.113         21.257         21.953         18.477         100.0           EC         Produc.         16.461         5.52         5.455         5.323         5.348         5.2           EC         Frootc.         8.165         7.105         9.13         8.477         100.0           EC         Frootc.         8.165         7.716         9.13         8.477         100.0           EC         Frootc.         8.165         7.716         9.13         8.126         7.23         100.0           Scandinavian         Produc.         16.591         1.41         17.427         17.482         15.43         37.1           Scantup         1.322         1.41         17.427         17.482         15.43         37.1           Scantup         1.5712         1.428         1.437 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Share (2)</th> <th></th> <th>Average Gi Pate</th> <th>Growth (2/v)</th>									Share (2)		Average Gi Pate	Growth (2/v)
Total         Froduc.         108.018         116.655         126.031         126.603         126.517         1           Import         16.381         16.691         21.579         19.562         18.477         1           Export         16.456         17.105         21.236         18.477         1           Consump.         107.923         116.281         125.388         120.133         1           Export         443         5.522         5.455         5.323         5.348         120.133         1           Import         8.165         7.705         9.113         8.627         7.765         1.422           Report         4.43         5.522         5.455         5.323         5.348         12.621           Secort         13.323         12.719         13.749         13.449         12.621         7.765           Secort         7.725         4.33         8.627         7.765         3.71           Secort         13.323         12.719         13.749         12.621         7.465           Secort         7.725         4.38         8.627         7.745         13.400           Secort         7.745         13.421         17.427	Region	ľ tem	1972	1977	1980	1861	1982	1972	1977	1982	1977/72	1982/77
Product         5,522         5,455         5,323         5,348           Import         8,165         7,705         5,455         5,323         5,348           Import         8,165         7,705         5,103         8,627         7,765           Export         445         508         584         561         7,755           Export         443         508         584         561         7,755           Consump.         13,322         12,719         13,974         13,499         12,621           Scnamp         42         43         394         40         42           Scnamp         13,322         12,719         13,472         17,482         15,621           Scnamp         521         226         4,732         7,146         1,475           Import         511         9,669         1,41         17,427         17,482         1,465           Export         5,131         9,563         5,131         4,465         1,475         1,416           Export         6,133         4,212         1,41         17,427         1,416         1,416           Export         6,131         9,421         7,427         1,416	torld Total	Produc. Import Export Consump.	108,018 16,361 16,456 107,923	116,695 16,691 17,105 116,281	126,031 20,579 21,222 125,388	126,609 19,562 20,236 125,935	120.517 120.517 18,093 18,477 120.133	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	1.5 0.4 1.5 8.0	0.6 1.6 1.6
Inavian 3 Produc.       16,590       14.411       17.427       17.482       15.943         Import       251       251       12.8       1395       15.943         Export       5.131       4.968       5.520       5.131       4.371         Net Imp       -5.879       -4.742       -5.687       -4.068         Net Imp       -5.879       -4.742       -5.082       -4.068         Net Imp       -5.879       -4.742       -5.131       4.463         Report       0.711       9.669       12.345       11.875       -4.068         Consump       10.711       9.669       12.345       13.746       11.875         N.Europe Product       2.418       2.951       3.421       3.438       889         Kaport       592       5167       3.167       3.316       3.355         N.Europe Product       24,609       22.884       26.303       26.288       24.731         N.Europe Product       24,609       22.842       26.303       26.288       24.731         N.Europe Product       24,609       22.884       26.303       26.288       24.731         N.Europe Product       7.165       6.023       7.017       6.	2	Produc. Import Export Net Imp. Consump. SS-Rate	5,601 8,165 8,165 7,722 13,323 13,323	5, 522 7, 705 7, 197 7, 197 12, 719 12, 719	5, 455 9, 103 9, 103 8, 519 13, 974 13, 974 39	5, 323 5, 323 8, 627 8, 627 8, 126 13, 449 13, 449	5, 348 7, 765 7, 278 7, 273 12, 621	5.2 49.9 2.7 12.3	4.7 46.2 3.0 19.9	4.4 42.9 2.7 19.5		-0.6 -0.6 -0.2
W. Europe Produc.       2,418       2,951       3,421       3,483       3,446         Import       694       763       808       774       3,483       3,446         Export       592       594       763       913       929       878         Net Imp.       102       2167       913       929       889         Net Imp.       102       2167       3,167       3,316       3,335         Schate       96       93       103       105       103         W. Europe Produc.       24,609       22,884       26,303       26,288       24,731         W. Europe Produc.       24,609       22,884       26,303       26,288       24,731         Net Import       9,110       8,694       10,349       9,796       8,920         Export       7,165       6,023       7,017       6,561       5,820         Net Imp.       1,945       2,671       3,332       3,100         Ss-Rate       93       90       89       89       89         Consump.       26,554       25,555       29,523       27,831         Ss-Rate       93       7017       6,561       5,826	candinavian ;	<pre>? Produc. Import Export Net Imp. Consump. SS-Rate</pre>	16,590 251 6,130 -5,879 10,711 155	14, 411 226 4, 968 -4, 742 9, 669 149	17,427 5,520 -5,082 12,345 141	17, 482 395 5, 131 -4, 736 12, 746 12, 746	15,943 371 4,439 -4,068 11,875 134	15.4 1.5 37.3 9.9	12.3 1.4 29.0 8.3	13.2 2.1 24.0 9.9	-2.8 -2.1 -4.1 -2.0	10.4 -2.2 4.2
W.Europe Froduc.       24,609       22,884       26,303       26,288       24,731         Import       9,110       8,694       10,349       9,796       8,920         Export       7,165       6,023       7,017       6,561       5,820         Ret Imp.       1,945       2,671       3,332       3,235       3,100         Net Imp.       1,945       2,671       3,332       3,235       3,100         Consump.       26,554       25,555       29,635       29,523       27,831         SS-Rate       93       99       89       89       89         In Europe Produc.       10,653       13,196       13,025       13,150       13,303         In Europe Produc.       10,653       13,196       13,025       13,150       13,303         Report       695       1,311       1,439       1,323       1,258         Report       695       1,311       1,439       1,323       1,258         Report       696       1,090       81       327       168         Schate       97       96       97       96       97       99       99			2,418 6994 592 102 2,520 2,520 96	2, 951 763 547 3, 167 3, 167 93	3,421 808 913 913 3,316 3,316	3,483 774 929 3,328 3,328	3,440 784 889 889 3,335 3,335 103	8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5 34 5 5 34 5	0.44 0.03 0.03 0.03 0.03 0.03 0.03 0.03	4.1 -1.6 4.7	10.2 10.2
Europe Produc. 10.653 13,196 13,025 13,150 13,303 Import 995 1,311 1,439 1,323 1,258 Export 688 787 983 996 1,090 Net Imp. 307 524 456 327 168 Consump. 10,960 13,720 13,481 13,477 13,471 1 SS-Rate 97 96 97 96 97 98 99			24,609 9,110 7,165 1,945 26,554 26,554	22,884 8,694 6,023 2,671 25,555 90	26, 303 19, 349 7, 017 3, 332 29, 635 89	26, 288 9, 796 6, 561 3, 235 29, 523 89	24, 731 8, 928 5, 820 3, 100 27, 831 89	22.8 55.7 43.5 24.6	19.6 52.1 35.2 22.0	20.5 49.3 31.5 23.2		1.6 0.5 1.7
	astern Burop(			13, 196 1, 311 787 524 13, 720 13, 720	13,025 1,439 983 456 13,481 13,481		13, 303 1, 258 1, 090 168 13, 471 13, 471	9.9 6.1 4.2 10.2	11.3 7.9 4.6 11.8	11.0 7.0 5.9 11.2	4.4 2.7 4.6	-0.2 -0.8 -0.4

/import/Export/Apparent Consumption of Total Woodpulp 1d by Region (2)

Production/Imp	in the World b
Table All-4-1	

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	1972									
	1972					Sh.	Share (%)		Åverage G Rate	Growth (%/y)
		1977	1980	1981	1982	1972	1977	1982	1977/72 1982/77	982/77
	57,321	62,255	66,124	66,880	62, 151	53.1	53.3	51.6	1.7	0.0
	3,455	3,545	3,794	3,824	3,442	21.1	21.2	19.0	0.5	-0.6
	7,581	8,509	10,636	10,074	9,183	46.1	49.7	49.7	2.3	
	-4,126	-4,964	-6,842	-6,250	-5,741					
	53, 195	57,291	59, 282	60,630	56,410	49.3	49.3	47.0	1.5	-0,3
	108	109	112	0110	110					
Catin America Produc.	1,977.	3, 133	4.652	4.516	4,574	1.8	2.7	3.8	9.6	7.9
	707	501	753	784	756	4.3	3.0	4.2	- 6. 7	8.6
Export	262	433	1,306	1,362	1,287	1.6	2.5	7.0	10.6	24.3
Net Imp.	445	58	-553	-578	-531					
Consuap.	2,422	3,201	4,099	3,938	4.043	2.2	2.8	3.4	5.7	4.8
SS-Rate	82	98	114	115	113					
Asia Produc.	11, 391	12,	12,459	12,184		10.5	10.6	10.1	1.6	-0.2
	1,702	ŝ	3,654	3, 275		10.4	12.8	17.6	4.7	8.2
Export	102		134	182		0.6	1.1	0.7	12.3	-5.4
Net Imp.	1,600	1,961	3,520	3,093	3,047		• •			
Consump.	12,991	14,	15,979	15,277		12.0	12.3	12.7	1.9	
SS-Rate	88		78	80						
Oceania Produc.	1,127	1,712	1,819	1,908	1,887	1.8	1.5	1.6	8.7	2.0
Import	247	282	285	287	264	1.5	1.7	1.5	2.7	-1.3
Export	114	452	475	518	421	0.7	2.6	2.3	31.7	-1.4
Net Imp.	133	-170	-190	-231	-157					
Consump.	1,260	1,542	1,629	1,677	1,730	1.2	1 3	1.4	4.1	°.3
SS-Rate	89	111	112	114	109					
Africa Produc.	941	1,188	I,649	1,682	1,686	6 0	1.0	1.4	4.8	7.3
	145	216	307	273	268	0,9	1.3	1.5	က ထ	4.4
Export	544	719	670	543	540		4.2	2.9	<u>د</u> .	-5.6
Net lap.	-399	-503	-363	012-	212-	1 4		•		1 1
Consump.	542	685	1,286	1,412	1,414	0.5	9 9	1.2	4.8	15.6
SS-Rate	174	173	128	119	119	·	•			

Production/import/Export/Apparent Consumption of Mechanical Woodpulp in the Morid by Region (1)

Table AII-4-2

		in the	in the World by Region	egion (1)			-		CU.	(Unit: 1,000 MT)	( XI)
							ЧS.	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc. Import Export Consump.	24, 330 1, 245 1, 143 24, 432	27,740 1,218 1,173 27,785	26,606 1,313 1,249 26,670	28,043 1,162 1,075 28,130	26,566 1,090 1,004 26,652	100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	2.6 -0.4 2.6	0.4.40 0.4.6 0.4.6
CC CC CC CC CC CC CC CC CC CC CC CC CC	Produc. Import Export Net Imp. Consump. SS-Rate	2, 506 812 812 812 806 3, 312 3, 312	2,447 641 641 29 80 3,859 80	2,652 576 35 35 3,193 3,193 83	2,541 464 460 3,001 85	2, 537 423 5 418 2, 955 2, 955	10.2 65.2 13.6	8.8 52.6 2.5 11.0	9.5 38.8 3.8 11.1	-0.5 -4.6 37.0 -1.6	0.7 -29.6 -0.7
Scandinavian 3	Produc. Import Export Net Imp. Consump. SS-Rate	4, 558 1 856 3, 694 123	4,064 4,064 534 -530 3,534 3,534	5, 227 6 617 -611 4, 616 113	5,297 6 505 -499 4,798 110	4,969 7 473 4,503 110	18.7 8.0 74.9 15.1	14.7 0.3 45.5 12.7	18.7 0.6 47.1 16.9	-2.2 0.0 -9.0 -9.0	4.1 11.8 -2.4 5.0
Other H.Europe	Produc. Import Export Net Imp. Consump. SS-Rate	563 3 1 33 563 3 1 33 573 573 573 573 573 573 573 573 573 573	578 38 39 599 599	611 26 8 18 629 97	636 20 11 6 8 5 99	595 14 21 21 21 21 21 21 21 101	2.2 2.5 0.1 2.3	2.1 2.5 0.8 2.2	2.2 2.1 2.2 2.2	1,6 -0.7 55.2 1,2	-14.1 -14.1 -0.4
Total H.Europe	Produc. Import Export Net Imp. Consump. SS-Rate	7,589 843 863 -20 7,569 100	7.089 675 572 103 7,192 99	8,490 608 660 -52 8,438 8,438 8,438	8,474 490 520 -30 8,444 100	8,101 8,444 499 -55 8,046 101	31.2 67.7 75.5 31.0	25.6 55.4 48.8 25.9 25.9	30.5 40.7 49.7 30.2	- 1,4 - 7,9 - 1,0	2.7 -8.0 -2.7 2.3
Eastern Europe	Produc. Import Export Net Imp. Consump. SS-Rate	2,449 27 27 27 2,476 2,476 2,476 2,476 2,476	2,649 15 7 2,657 2,657 100	2, 547 29 3 2, 573 2, 573 26 26 29	2, 579 16 15 2, 594 2, 594	2,574 16 15 2,589 2,589 2,589	10.1 2.2 - 10.1	9.5 0.6 6.6	9.7 1.5 1.1 9.7	-11.6 -11.1 -1.4	-0.6 1.3 -32.2 -0.5

Production/Import/Export/Apparent Consumption of Mechanical Moodpulp in the World by Region (2)

Table AII-4-2

Igr         Igr         Igg         Igr         Igr <th></th> <th></th> <th>25</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>i</th> <th>Ð</th> <th>(Uait: 1,000 MT)</th> <th>( XT)</th>			25						i	Ð	(Uait: 1,000 MT)	( XT)
m         Item         1972         1977         1980         1981         1982         1977         1982           nmort         11,243         14,155         11,679         12,457         11,436         45.2         51.1         43.0           Revort         263         350         324         277         23.1 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Sh</th><th>are (%)</th><th></th><th>Average Growth Rate (%/y)</th><th>Growth (%/y)</th></td<>								Sh	are (%)		Average Growth Rate (%/y)	Growth (%/y)
I America       Froduc.       11, 243       14, 155       11, 515       12, 457       11, 435       45.2       51.1       43.0         Import       179       141       135       134       131       14.4       116       12.0       29.8       20.0       29.8       20.0       29.8       20.0       29.8       20.0       29.8       20.0       29.3       20.1       <	Region	Item	1972	1977	1980	1981	1982	1972	1977.	1982	1977/72	1982/77
America       Froduct.       387       359       418       407       410       11.6       1.3       1.5       -         1       101       102       102       102       102       101	North America	Produc. Import Export Net Imp.	11, 243 179 263 -84	14,165 141 350 -209	11,679 135 324 -189	12,457 144 277 -133	11,436 131 281 -150	46.2 14.4 23.0	51.1 11.6 29.8 29.8	43.0 12.0 28.0	5.9-1 	4.2
n America       Froduc.       387       359       418       407       410       1.5       1.3       1.5       -         Import       7       7       7       7       4       95       5.7       1.5       -       2		Consump. SS-Raie	101	13, 956 102	11,490	12,324	101	40.1	2°10	42.3	4,5	-4.2
Produc.         2.072         2.569         2.257         2.908         2.772         8.5         9.3         10.4           Import         141         353         479         405         399         11.3         29.0         36.6         2           Export         353         479         405         399         11.3         29.0         36.6         2           Ret Imp.         138         353         479         405         399         11.3         29.0         0<	Latin America	Produc. Import Export Net Imp. Consump. SS-Rate	387 34 7 814 94	359 19 2 17 376 96	418 51 4 47 465 90	401 102 98 505 81	410 5 821 821 821 821 821 821 821 821 821 821	1.6 0.6 1.7	1.3 1.6 1.4	1.9 1.9 1.9	-1.5 -11.0 -22.2 -1.9	2.7 38.3 20.1 5.9
Froduc.       412       703       778       800       855       1.7       2.6       3.2       1         Import       12       703       778       800       855       1.7       2.6       3.2       1         Import       12       703       778       800       855       1.7       2.6       3.2       1         Report       8       242       253       270       217       0.7       20.6       21.7       9         Net Imp.       4       -237       -255       -270       -217       1.7       20.6       21.7       9         Consump.       416       472       523       530       638       1.7       1.7       2.4         Consump.       416       472       523       530       638       1.7       1.7       2.4         SS-Rate       99       150       149       151       134       1.7       1.7       2.4         Produc.       178       200       437       418       418       0.7       0.7       1.6         Import       8       11       7       2       2       2       0.2       0.0       0.0	As i a	Produc. Import Export Net Imp. Consump. SS-Rate	2,072 141 3 138 2,210 2,210	2, 569 353 353 2, 353 2, 922 88	2, 257 479 1 479 2, 736 83	2,908 405 405 3,405 3,313 88	2,772 399 399 3,171 87	8.5 11.3 9.0 9.0	9.3 0.0 10.5	10.4 36.6 0.0 11.9	4.4 20.1 5.7	2.5 1.6
Produc.     178     200     437     418     418     0.7     0.7     1.6       Import     8     11     7     2     2     2     0.9     0.2       Import     0     0     0     0     0     0     0     0       Export     0     0     0     0     0     0     0     0       Net Imp.     8     11     7     2     2     0     0     0       SS-Rate     95     98     100     100     100     100	Oceania	Produc. Imort Export Net Imp. Consump. SS-Rate	412 12 416 99 99	709 5 242 237 472 150	778 4 2559 -255 723 149	800 3 273 270 530 151	855 1 218 -217 638 134	1.7 1.0 1.7 1.7	2.6 0.4 20.6 1.7	3.2 0.1 21.7 2.4	11.5 -16.1 97.8 2.6	3.8 -27.5 -2.1 6.2
	Africa	Produc. Import Export Net Imp. Consump. SS-Rate	178 8 186 95 95	200 11 211 211 95	437 444 98	418 22 420 103	418 2 2 2 2 2 100 100	0.7 0.0 0.8		1.6 0.2 1.6	2.6 6.6 - 6	15.9 -28.9 - 14.8

Table AII-4-3 Production/Import/Export/Apparent Consumption of Semi-chemical Moodpulp in the Morid by Region (1)

		ום נווב חמז	וז הנוש מערום על אפנוש און און	11 801					n)	(Unit: 1,000 MT)	10 MT)
· · ·							Sh	Share (%)	!	Average G) Rate	Growth (%/y)
Region	I tem	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
Horld Total	Produc. Import Export Consump.	7,953 132 128 7,957	7,346 138 87 7,397	7,644 146 108 7,682	7,257 154 101 7,310	6,652 150 95 6,707	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	-1.6 0.9 1.4	-2.0 1.7 -1.9
2	Produc. Import Export Net Imp. Consump. SS-Rate	668 112 112 123 134 102 95	559 81 33 94 592 94	492 94 524 524 94	445 102 61 86 886 92	423 461 855 93 461 855 93 855 93 855 853 855 855 855 855 855 855 855 85	8.4 84.8 60.9 8.8 8.8	7.6 58.7 55.2 8.0	6.4 57.9 6.9		- 2.8 - 2.8 - 4.9
Scandinavian 3	Produc. Isport Export Net Imp. Consump. SS-Rate	767 0 49 718 718	608 1 39 39 570 107	681 1 46 46 45 636 107	641 4 40 -36 605 106	609 5 33 106 106	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8.3 0.7 44.8 7.7	9.2 3.3 41.1 8.6	-4.5 -4.5 -4.5 -4.5	0.0 38.0 0.0 0.2
Other W. Burope	Produc. Import Export Net Imp. Consump. SS-Rate	828 T T 5 10	104 0 104 104 101	88 0 0 88 101 101	10 10 10 10 10 10 10 10	70 1 1 101	0.2 0.8 0.8 0.3	1.4 0.0 1.4	1.1 0.0 1.1 1.0	40.5 - 0.0 38.8	-7.5 0.0 -7.7
Total M.Burope	Produc. Import Export Net Imp. Consump. SS-Rate	1,454 114 128 -14 1,440 101	1, 271 81 87 87 1, 265 101	1,261 94 108 -14 1,247 101	1,166 105 101 1,170 100	1,102 98 95 1,105 100	18.3 86.4 100.0 18.1	17.3 58.7 100.0 17.1	16.6 65.3 100.0 16.5	-2.7 -6.6 -2.6	-2.8 3.9 1.8 -2.7
Eastern Burope	Produc. Emport Export Net Imp. Consump. SS-Rate	366 1 367 367 100	630 0 0 630 630 100	586 0 0 586 100	636 0 0 0 696 100	686 0 100 100	4.6 0.8 4.6	8.5 8.5 8.5	10.3 0.0 0.0 18.2	11.5 - 11.4	1.7 1.7

							Sh	Share (%)		Average Rate	age Growth Rate (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72 1982/77	982/77
North America	Produc. Import Export	3.772	3,525 14 0	3,986 3,986 1,9	3, 882 2 2 2 2 2 2 3	3,611	47.4 0.8 0.0	48.0 10.1 0.0	54.3 4.7 0.0	-1.3 69.5	-12.9
· · ·	ket læp. Consump. SS-Rate	3, 773 100	3,539 100	$3,988 \\100$	2 3,884 100	3,618 100	47.4	47.8	53.9	-1.3	0.4
Latin America	Produc. Import Export	808 808 808 808	505 33 0	308 4 0 0 0	312 6 0	50 50 50 50	2.5 3.8 0.0	0.0 0.0 0.0	4.4 9.9	0.0 -9.7	7.4 14.9
	Net Imp. Consump. SS-Rate	210 98	208 299	313 97	318 38	ъ 299 98	2.6	2.8	4 3	-0.2	7.5
Asia	Produc. Import Export	1, 878 44 0	1, 366 37 0	1,028	336 36 1	621 37 0 0	23.6 3.0 0.0	18.6 26.8 0.0	9.3 24.7 0.0	-6.2 56.0	-14.6 0.0 -
	Net imp. Consump. SS-Rate	1,882 100	37 1,403 97	32 1,060 97	30 872 96	37 658 94	23.7	19.0	8°5	-5.7	-14.1
Oceania	Produc. Import Export	536 0 536	221 1 0	5 0 3 3 5 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	274 3 0	249 1 0	2.8 0.0 0.0	3.0 0.7 0.0	3.7 0.1 0.0	-0- 0.0 1.0	2.4 0.8
	Net Imp. Consump. SS-Rate	ט 226 106	1 222 100	288 99	277 99	250 100	2.8	3, 1	3.7	-0.4	2.4
Africa	Produc. Import Export	20-01	158	800U	8000	1000	0.0 0.0	1.7 1.4 0.0	1.4 1.3 0.0	19.7 -22.2	-6.6 0.0
	Consump. Solate	~ 58 88	130	100	9 9 7 8 6 8 6 8 7 8 6	3 8 8 6 8 6	0.7	1.8	1.4	17.1	-6.5

Production/Import/Export/Apparent Consumption of Chemical Woodpulp in the Morld by Region (1)

Table AII-4-4

-0.20.030 1 2 2 3 1 0.0 0.5 -1.5 -1.9 3.9 4.4 9.9 2.2 2.0 5 4 C -0.1 Average Growth Rate (%/y) 1977/72 1982/77 (Unit: 1,000 MT) 3.3 -0.2 3.3 -0.20.0 -2.2-3.4 -2.2 4.1 4.8 -1.2 -0.2 4 C C → 5.2 1982 100.0 100.0 100.0 100.0 2.5 43.4 2.5 10.3 12.0 1.9 22.5 3.1 5.4 3.8 17.750.0 30.3 21.4 10.6 7.7 6.7 10.8 8.1 ર્સ 100.0 100.0 100.0 2.8 46.1 2.8 19.8 3.8 °.7 2.9 1977 12.8 1.6 28.0 7.2 17.6 52.5 34.6 20.8 11-2 5-3 3-3 11.7 Share 1972 100.0 100.0 100.0 2.5 48.2 2.5 11.6 2.4 4.7 20.3 54.8 42.3 ດ ຕິດ ຊີເວັດ 15.0 1.8 35.4 2.5 œ 8.6 9.9 23. 2,613 746 858 -112 2,501 105 14,667 7,831 4,855 2,976 17,643 83 8,825 1,206 1,068 1,068 8,963 99 1982 82,975 15,650 16,003 82,623 2, 090 6, 786 396 6, 390 8, 480 8, 480 25 9,964 299 3,601 -3,302 6,662 150  $\begin{array}{c} 11, 111\\ 349\\ 4, 200\\ -3, 851\\ 7, 260\\ 7, 260\end{array}$ 86,721 16,970 17,434 86,257 2,039 7,607 393 9,253 22 2,592 719 906 -187 -187 2,405 2,405 15, 742 8, 675 5, 499 3, 176 18, 918 83 8, 660 1, 268 980 288 8, 948 97 1981 87,067 17,627 18,218 86,476 11,067 400 4,469 -4,069 6,998 158 1980 2, 027 7, 882 426 9, 483 9, 483 21 2,549 755 894 -139 2,410 2,410 15,643 9,037 5,789 3,248 3,248 18,891 83 8, 587 1, 331 964 367 8, 954 96 13, 528 7, 350 4, 892 2, 458 15, 986 85 8, 618 1, 124 754 370 8, 988 96 1977 76,907 13,998 14,141 76,764 2,185 6,460 390 6,870 8,255 8,255 27 9, 235 220 3, 966 -3, 746 5, 489 168 2,108 570 536 134 2,242 94 14, 372 7, 395 5, 630 1, 765 16, 137 16, 137 89 1972 70, 718 13, 505 13, 309 70, 914 2,062 6,512 332 6,180 8,242 8,242 25 10.587 246 4.709 -4.463 6.124 173 1,723 637 589 589 1,771 1,771 6,732 857 601 256 6,988 96 Produc. Import Export Net Imp. Consump. SS-Rate Produc. Import Export Net Imp. Consump. SS-Rate Net Imp. Consump. SS-Rate Produc. Import Export Consump. Export Net Imp. Consump. SS-Rate Consump. SS-Rate Produc. Import Export Vet Imp. Produc. Import Export Other W.Europe Produc. Import I ten Total M.Europe က Eastern Europe Scandinavian World Total Region **S** 

Table Al1-4-4 Production/Import/Export/Apparent Consumption of Chemical Woodpulp

									110.		(Unit: L, UUU MT)
							Sh	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	I tem	1972	1977	1980	1861	1982	1972	1977	1982 1	1977/72 1982/77	982/77
North America	Produc. Import Export	40, 433 3, 059 6, 315	43,026 3,190 7,306	48,778 3,365 9,380	48,950 3,391 8,864	45,753 3,083 8,156	57.2 22.7 47.4	55.9 22.8 51.7	55.1 19.7 51.0	1.3 0.8 3.0	$^{-0.7}_{-0.7}$
	ret jmp. Consump. SS-Rate	37,177	-4, 110. 38, 910 11.1	-0, 010 42, 763 114	43,477	40,680	52.4	50.7	49.2	0°8	0.9
Latin America	Produc. Import	1,384 597	2,517	3,883	3,750	3,824 638	23	8 H G	440 0	12.7	8.7
	sxport Net Imp. Consump. SS-Rate	200 341 1,725 80	431 8 2,525 100	-636 -636 3,247		-644 -644 3,180 120	2.4	ມ ເ ເ	3. 8.	1.9 7.9	64.4 4.7
As i s	Produc. Import Export	6,841 1,247 98	7,924 1,421 176	8,722 2,663 133	8, 032 2, 429 181	8,365 2,369 136	9.7 9.2 0.7	10.3 10.2 1.2	10.1 15.1 0.8	3.0 2.6 12.4	10.8
	consump. SS-Rate	7,990	1, 240 9, 169 86	2, 530 11, 252 78	2, 240 10, 280 78	2, 233 10, 599 79	11.3	11.9	12.8	5.8	2.9
Oceania	Produc. Import Export	490 231 106	782 271 210	756 272 217	834 278 245	783 259 203	0.1	1.9 1.5	0.9 1.7 1.3	9.8 3.2 14.7	0.0 -0.9 -0.7
	Net Imp. Consump. SS-Rate	125 615 80	61 843 93	811 93	33 867 96	839 839 93	0.9	yun B F	1.0	6.5	-0.1
Africa	Produc. Import Export	466 120 303	512 204 371	698 433 433	753 269 307	758 264 304	8.7 8.9 2.3	0.7 1.5 2.6	0.9 1.7	1.9 11.2 4.1	8 8 9 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8
	Net Imp. Consump. SS-Rate	-183 283 165	-161 345 148	- 139 559 125	-38 715 105	-40 718 106	0.4	0.4	0.9	4.0	15.8

Production/Import/Export/Apparent Consumption of Unbleached Sulphite Pulp in the World by Region (1) Table AII-4-5

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									(Un	(Unit: 1,000	) MT) -
							S'n	Share (%)		Average G Rate	Growth (%/y)
Region	I ten	1972	1977	1980	1981	1982	1972	1977	1982-1	1977/72	1982/77
World Total	Produc. Import Export Consump.	6,734 642 882 6,494	6,019 478 570 5,927	5, 838 597 678 5, 757	5, 788 556 482 5, 862	5, 333 445 505 5, 273	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0		-2.4 -2.4 -2.3
S	Produc. Import Export Net Imp. Consump. SS-Rate	134 410 406 540 25	59 59 254 252 311 19	16 220 8 212 212 228 228 228	12 173 20 153 153 165	12 171 20 151 163	2.0 63.9 0.5 8.3 8.3	1.0 53.1 0.4 5.2	0.2 38.4 4.0 3.1	-15.1 -9.1 -12.9 -18.4	-27.3 -7.6 58.5 -12.1
Scandinavian 3	3 Produc. Import Export Net Imp. Consump. SS-Rate	1,349 2 445 -443 906 149	7 7 210 535 138	700 25 202 -177 523 134	631 24 177 -153 478 132	537 19 123 -184 433 124	20.0 0.3 50.5 14.0	12.3 1.5 36.8 9.0	10.1 4.3 24.4 8.2	-11.4 28.5 -13.9 -10.0	-6.2 22.1 -10.1 -4.1
Other H.Europe	e Produc. Export Net Imp. Consump. SS-Rate	146 48 37 11 80 80 80	67 8 25 25 25 25 25	50 25 9 16 76	48 6 20 20 71	46 11 8 11 8 12 8 13 8 14 8 14 8 14 8 14 8 14 8 14 8 14	2.2 1.2 2.8	1.6 6.9 1.6	0.9 1.6 1.1	-14.4 -7.2 -6.2 -12.8	-7.2 -10.5 0.0 -9.1
Total W.Europe	e Produc. Export Export Consump. SS-Rate	1.629 460 460 1.629 1.00	864 294 220 38 938 92	766 270 219 51 817 94	691 223 203 20 20 711 97	595 209 151 58 53 91	24.2 71.7 52.2 25.1	14.4 61.5 38.6 15.8	11.2 47.0 29.9 12.4	-11.9 -8.6 -13.7 -13.5	-7.2 -6.6 -7.3 -7.0
Eastern Europe	e Produc. Export Net Imp. SS-Rate	2,643 36 315 -279 2,364 112	2,824 41 261 -220 2,604 108	2, 684 51 327 - 276 2, 408 112	2.746 52 181 -129 2.617 2.617	2.751 57 244 -187 2.564 2.564	39.2 5.6 35.7 36.4	46.9 8.6 45.8 43.9	51.6 12.8 48.3 48.6	1.3 -3.7 2.6 2.0	

4-5 Production/Import/Export/Apparent Consumption of Unbleached Sulphite Pulp in the Morld by Region (2)

Table AII-4-5

	•.		1018eu fa 51100 201						9	(Unit: 1,000 MT)	(IM 01
							Sh	Share (%)		Average Gr Rate (	Growth (%/y)
Region	I tem	1972	1977	1980	1981	1982	1972	1977	1982	1977/72 1982/77	982/77
North America	Produc. Import Export	2,043 97 102	2,000 51 89	2,182 99 132	2, 181 82 97	1,756 45 108	30.3 15.1 11.6	33.2 33.2 10.7 15.6	32.9 10.1 21.4	-0.4 -12.1 -2.7	3.5.6
	Net Imp. Consump. SS-Rate	2,038 100	$^{-38}_{1,962}$	-33 2,149 102	2,166 101	1,693 1.693 104	31.4	33.1	32.1	-0.8	-2.9
Latin America	Produc. Import Export Net Imp. Consump.	၃၃၇၀၀ စည်း ၂၂၇၀၀ စည်း	2	1002103	66 11 0 66	101	1.0	1.1 0.2 1.1	1 0 1		0.0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
es S	Produc. Import Export Net Imp. Consump. SS-Rate	354 377 377 94	255 67 67 322 79	254 35 35 35	57 57 190 190 247 23	113 125 125 125 125 48 48	8 932 8 932 8	14.0 14.0 0.0 5.4	28.1 28.1 4.5	-6.4 23.8 -3.1	+ 15.0 - 5.3 - 5.0
Ocean i a	Produc. Import Export Net Imp. Consump. SS-Rate	010110	12 11 11 23 23 23	84.0002		8100088 8100088	0.0 1.7 0.0 0.2	2.3 2.3 0.6	0.2	0.0  15.9	-38.1 -38.1 -10.8
Africa	Produc. Import Export Net Imp. Consump. SS-Rate		- <u> </u>		0000818 88	8194978	0.0 0.0 1.0 1.0	0.0 0.2 0.2	0.1 1.6 0.0 0.2	16.7 16.7	+ 9   9 + 1 + 1 + 1 1
Sources: Yea Note: SS-Rat	s: Yearbook of Forest Products. SS-Rate: Self-sufficiency Rate	cest Produc ficiency Ra	ts, 1972-1982 ate (%)	<b>382 (FAO)</b>							

Production/Import/Export/Apparent Consumption of Bleached Sulphite Pulp in the World by Devion (1)

Table AII-4-6 Production

	· <b></b>	in the Horld by Region	ď by Regio	(]) u					in.	(Unit: 1,000 MT)	(INI)
							Sh	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1982 1977/72 1982/77	982/77
Horld Total	Produc. Import Export Consump.	5, 635 2, 243 1, 806 6, 072	5, 112 2, 187 2, 083 5, 216	5,197 2,224 1,710 5,711	4,871 2,246 2,000 5,117	4,298 2,025 1,282 5,041	100.0 100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0 100.0		
2	Produc. Import Export Net Imp. Consump. SS-Rate	754 1,130 1,130 1,022 1,776 1,776	840 922 154 168 1,608 52	942 942 854 163 1, 633 1, 633 58	877 865 150 15 1,592 1,592 1,555	877 756 133 623 1,500 1,500	13.4 50.4 6.0 29.2	16.4 42.2 7.4 30.8	20.4 37.3 10.4 29.8	-4.0 -7.4 -2.0	-2.9 -1.4
Scandinavian 3	Produc. Isport Export Net Imp. Consump. SS-Rate	1, 595 18 952 952 - 934 661 241	1,103 7 627 627 620 483 228	1,045 22 470 -448 597 175	928 45 416 361 567 164	759 45 316 -271 45 45 156	28.3 0.8 52.7 18.9	21.6 0.3 30.1 9.3	17.7 2.2 24.6 9.7	-7.1 -17.2 -8.0 -6.1	-7.2 45.1 -12.8 0.2
Other M.Europe	Produc. Import Export Net Imp. Consump. SS-Rate	517 517 144 126 643 80	568 270 188 82 650 87	734 298 339 -41 106 106	712 279 323 -44 107	710 254 42 668 106	9.2 12.0 8.0 10.6	11.1 12.3 9.0 12.5	16.5 12.5 23.1 13.3	1.9 0.0 5.5 0.2	-1.2 9.5 0.5
Total W.Europe	Produc. Import Export Net Imp. Consump. SS-Rate	2, 866 1, 418 1, 204 3, 080 93	2, 511 1, 199 969 230 2, 741 2, 741 92	2, 721 1, 174 972 202 2, 923 93	2,517 1,189 879 310 2,827 89	2,346 1,055 745 310 2,656 88	50.9 63.2 66.7 50.7	49.1 54.8 46.5 52.5	54.6 52.1 58.1 58.1 52.7	-2.6 -3.3 -4.2 -2.3	
Eastern Europe	Produc. Import Export Net Imp. Consump. SS-Rate	424 342 332 332 56	402 416 16 818 818 49	433 493 444 877 49	373 519 49 843 44	348 464 49 415 463 463	7.5 15.2 0.6 12.5	7.9 19.0 15.7 15.7	8.1 3.8 3.8 15.1	-1.1 4.0 1.6	- 2.8

Table AII-4-6 Production/Import/Export/Apparent Consumption of Bleached Sulphite Pulp in the World by Region (2)

										Average	Growth
		·	·		ĩ		Sh	Share (%)		Rate (%/y)	(%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982 1	1977/72 1982/77	982/77
North America	Produc. Import Export	2,184 299 574	2,021 419 1,112	1, 730 289 687	1,702 321 1,070	1,407 255 485	38.8 13.3 31.8	39,5 19,2 53,4	32.7 32.7 12.6 37.8	-1.5 7.0 14.1	- 7.0 - 9.5 - 15.3
	Net Imp. Consump. SS-Rate	-2/5 1,909 114	-593 1,328 152	-398 1.332 130	-749 953 179	-23U 1,177 120	31.4	25,5	23.3	1.0	-2.4
Latin America	Produc. Import Export	22 22 10 22	103 103	120	107	120 33 33	1.6 1.0 0.0	2.0 0.4 0.0	2.8 0.7 1.2 1.2	-16.4 0.0	3.1 0.0 24.6
. *	Consuap. SS-Rate	113 81	111 93	126 95	114 94	126 95	1.9	2.1	2.5	-0.4	2.6
Asia	Produc. Import Export	118 118 13	48 114 1	160 217 1	144 182 0	49 213 0	1.3 5.3 0.7	0 3 0 0	1.1 10,5 0.0	-7.5 -0.7 -40.1	13.3
	consump. SS-Rate	176	161 30	376 43	326 44	262 262 19	2.9	3.1	5.2	-1.8	10.2
Oceania	Produc. Import Export	ంస్టిం	21 17 10	33° 33°	88 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	128 158	0 0 1 6 0 3	0.8	0.7 0.7 0.0	-13.4	-2.5
	Consump. SS-Rate	000	44 61	61 54 61	41 68	43 65	0.5	0.8	0.9	8.0	-0.5
Åfrica	Produc. Import Export	010	0 3 3 0	0 23 0	040	040;	0.0	0.00	0.0	2.	1 LO 1 - mi
	Net Imp. Consump. SS-Rate	0101	2 2 2 2 2 2 2 2	6 8 8 7 8 8 7 8	4 7 0 7 7 0	14 14 0	0.2	0.2	0.3	5.4	1.5

Production/Import/Export/Apparent Consumption of Unbleached Sulphate Pulp in the World by Region (1)

Table AII-4-7

Alter (3)           Region         item         1972         1977         1980         1881         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1977         1982         1777         1982         1777         1982         1777         1982         1777         1982         1777         1982         100.0         100.0         100.0         101.0         0.1         60.0         103         101 <t< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th><th></th><th>un)</th><th>UNIC: 1,000</th><th>110 0</th></t<>					-					un)	UNIC: 1,000	110 0
Teta         1972         1977         1980         1981         1982         1977         1981         1.6         1.5         1.3         0.6         0.1         0.10								Sh		-	Average Growth Rate (%/y)	age Growth Rate (%/y)
Total         Froduc.         29.132         31.907         38.753         38.319         31.375         100.0	legion	Item	1972	1977	1980	1981	1982	1972	1977			1982/77
Froduc.         466         478         398         449         416         1.5         1.3	orld Total	Produc. Import Export Consump.	29, 132 1, 622 1, 914 28, 840	31,907 1,601 2,227 31,281	33, 753 1, 697 2, 372 33, 078	33, 319 1, 539 2, 390 32, 468	31, 376 1, 353 2, 131 30, 598	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	-0-7 -0.3 -0.1 -0.1	
nevian 3 Produc.       3.554       3.010       3.521       3.323       2.949       12.5       9.4       9.4         import       118       129       176       172       147       7.3       8.1       10.9         Kexport       814       607       563       417       365       42.5       27.3       17.1         Nettime       -696       -478       563       417       365       42.5       27.3       17.1         Nettime       -695       -478       563       3.134       3.078       2.731       10.3       8.1       8.9         Ketope       701       112       108       108       10.8       2.731       10.3       8.1       8.9         Nettrope       701       701       655       701       1.8       2.2       2.2         Nettrope       701       701       655       6.1       4.0       4.0         Nettrope       701       111       85       51.1       4.0       2.1       2.2         Nettrope       701       113       105       111       105       1.1       2.1       2.1       2.1         Nettrope       701       113 <td><b>0</b></td> <td>Produc. Import Export Net Imp. Consump. SS-Rate</td> <td>466 675 674 1,140 1,140</td> <td>478 520 519 997 48</td> <td>398 539 533 6 533 43 43</td> <td>449 404 12 392 841 53</td> <td>416 315 13 302 718 718 58</td> <td>1.6 41.6 0.1 4.8</td> <td>1.5 32.5 0.0 3.2</td> <td><math>\begin{array}{c} 1.3\\ 23.3\\ 0.6\\ 2.3\end{array}</math></td> <td>6.5 -5.1 -2.6</td> <td>-2.7 -9.5 67.0 -6.4</td>	<b>0</b>	Produc. Import Export Net Imp. Consump. SS-Rate	466 675 674 1,140 1,140	478 520 519 997 48	398 539 533 6 533 43 43	449 404 12 392 841 53	416 315 13 302 718 718 58	1.6 41.6 0.1 4.8	1.5 32.5 0.0 3.2	$\begin{array}{c} 1.3\\ 23.3\\ 0.6\\ 2.3\end{array}$	6.5 -5.1 -2.6	-2.7 -9.5 67.0 -6.4
W.Europe       Froduc.       510       701       701       655       701       1.8       2.2       2.2         Report       117       89       161       111       85       6.1       4.0       4.0         Report       117       89       161       111       85       6.1       4.0       4.0         Net lmp.       -72       -37       -114       -67       -35       6.1       4.0       4.0         Net lmp.       438       664       587       618       665       1.5       2.1       2.2       2.2         Ss-Rate       116       106       119       105       111       105       2.1       4.0       4.0         Net lmp.       438       664       587       618       1.5       13.1       13.0         W.Europe Produc.       4.530       4.189       4.620       4.457       4.066       15.9       13.1       13.0         W.Europe Produc.       4.536       4.193       4.652       4.537       4.155       13.4       13.4         Net lmp.       4.536       4.193       4.652       4.537       4.137       13.4       13.4         SS-Rate	cand i navi an	က္	3.654 118 814 -696 2.958 124	3,010 129 607 -478 2,532 119	3,521 176 563 -387 3,134 112	3, 323 172 417 -245 3, 078 3, 078	2,949 147 365 -218 2,731 2,731	12.5 7.3 42.5 10.3	9.4 8.1 27.3 8.1	9.4 10.9 17.1 8.9	-3.8 1.8 -5.7 -3.1	-0.4 -2.6 -9.7 1.5
W.Europe Produc.       4,630       4,189       4,620       4,457       4,066       15.9       13.1       13.0         Import       838       701       762       620       512       51.7       43.8       37.8         Export       932       697       730       540       463       48.7       31.3       21.7         Net Imp.       -94       4       32       80       463       48.7       31.3       21.7         Net Imp.       -94       4       32       80       463       48.7       31.3       21.7         Net Imp.       -94       4       32       80       4,153       13.4       13.4         Consump.       4,536       4,193       4,652       4,537       4,115       15.7       13.4       13.4         SS-Rate       102       101       99       98       99       107       51.6       7.8         n Europe Product       3155       4,694       4,553       4,631       4,737       10.8       14.7       15.1         n Europe Product       381       101       123       99       50       6.3       7.8         Report       197       435 </td <td></td> <td></td> <td>510 45 -72 117 138 116</td> <td>701 52 89 89 106</td> <td>701 47 161 -114 587 119</td> <td>685 44 111 -67 618 111</td> <td>701 50 85 666 666 105</td> <td>1.8 8.1 6.1 1.5</td> <td>2.2 2.1 2.1</td> <td>2.2 3.7 2.2 2.2</td> <td>6.6 -5.3 8.7</td> <td>0.0 -0.8 -0.9</td>			510 45 -72 117 138 116	701 52 89 89 106	701 47 161 -114 587 119	685 44 111 -67 618 111	701 50 85 666 666 105	1.8 8.1 6.1 1.5	2.2 2.1 2.1	2.2 3.7 2.2 2.2	6.6 -5.3 8.7	0.0 -0.8 -0.9
Europe Produc. 3,155 4,694 4,553 4,631 4,737 10.8 14.7 15.1 Rmport 31 101 123 99 105 5.0 6.3 7.8 Export 197 439 523 678 677 10.3 19.7 31.8 1 Net 1mp116 -338 -400 -579 -572 10.5 13.9 13.6 Consump. 3,039 4,355 4,153 4,052 4,165 10.5 13.9 13.6 SS-Rate 104 108 110 114 114			4,630 838 932 -94 4,536 102	4,189 701 697 4,193 100	4,620 762 730 32 4,652 99	4,457 620 540 80 4,537 98	4,066 512 463 49 4,115 99	15.9 51.7 48.7 15.7	13.1 43.8 31.3 13.4	13.0 37.8 21.7 13.4	-2.0 -3.5 -5.6 -1.6	- 10.6 - 1.0 - 1.0 - 4
			3,155 81 157 -116 3,039 104	4,694 101 439 -338 4,356 108	4,553 123 523 -400 4,153 110	4,631 99 678 4,052 114	4,737 105 677 4,165 114	10.8 5.0 10.3 10.5	14.7 6.3 19.7 13.9	15.1 7.8 31.8 13.6	8.3 4.5 17.4 7.5	0.2 0.8 -0.9

Table AII-4-7 Production/Import/Export/Apparent Consumption of Unbleached Sulphate Pulp in the World by Region (2)

							Sh	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	[ tem	1972	1977	1980	1981	1982	1972	1977	1982 1	1977/72 1982/77	982/77
North America	Produc. Taport Export Net Tap.	17,789 324 447 -123	18,369 222 399 -177	19,780 130 313 -183	19,547 150 379 -229	17,863 120 321 -201	61.1 20.0 23.4	57 6 13 9 17 9	56.9 8.9 15.1	0.6 -7.3 -2.2	-0.6 -11.6 -4.3
	Consump. SS-Rate	17,666 101	18,192 101	19,537	19,318	17,662 101	61.3	58.2	57.7	0.6	-0.6
Latin America	Produc. Import Export Net Imp. Consump.	608 104 123 589 589	1,188 57 236 -179 1,009	1,427 64 318 -254 1,173	1,685 59 391 -332 1,353	1,684 55 314 -259 1,425	2.1 6.4 2.0	3.7 3.6 3.8 3.2	1 2 7 2 4 2 4	14.3 -11.3 13.9 11.4	-0.7 -5.9 7.1
Asia	Produc.	2, 335	2, 708	2,576	2,144	2, 182	8,0	8.5	1.0	(C)	-4.2
	Import Export Net Imp. Consump. SS-Rate	191 191 2,526 92	394 1 3,101 87	492 483 3,059 84	472 14 2,602 82 82	429 7 422 84 84	0.0 8.8 8.8	24.6 0.0 9.9	8.5 8.5	15.0 4.2	47.6
Oceania	Produc. Import Export Net Imp. Consump. SS-Rate	300 83 99 284 106	424 151 151 333 108	384 103 -49 335 115	419 1173 -58 361 361	408 134 382 107 26	1.0 1.2 1.0	1.3 6.8 1.3	1.3 6.3 1.2	7.7 8.8 6.7	-0.8 -2.4 -0.6
Africa	Produc. Import Export Net Imp. Consump. SS-Rate	316 118 115 201 157	335 315 315 37 37 37 37 37	413 23 327 304 109 379	436 24 216 -192 244 179	436 25 216 191 245 178	1.1 0.1 0.7	1.0 0.4 13.7 0.1	1.4 1.8 10.1 0.8	1.2 47.6 21.3 -28.7	5.4 -6.7 45.9

Table AIE-4-8 Production/Import/Export/Apparent Consumption of Bleached Sulphate Pulp in the World by Region (1)

Region It World Total Im Ex									<b>&gt;</b>	UNIC: 1,000 01.	111 11
Total							Sh	Share (%)	ĺ	Average Gi Rate	Growth e (%/y)
Total	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72 1982/77	1982/77
č	Produc. Import Export Consump.	28,114 8,109 8,322 27,901	32, 336 9, 112 9, 203 32, 245	40, 351 12, 328 13, 415 39, 264	40,860 11,910 12,529 40,241	40,084 11,127 12,062 39,149	100.0 100.0 130.0 100.0	100.0 100.0 130.0 100.0	100.0 100.0 100.0 100.0	0.02 4.00 9.4.00	4404 4.06 4.06
EC S C C S C	Produc. Import Export Net Imp. Consump. SS-Rate	708 4,253 4,033 4,741 15	808 4,763 231 4,532 5,340 15 15	671 6,269 6,248 6,021 6,692 6,692	701 6,169 5,957 6,658 11	785 5,547 231 5,316 6,101 13	2.5 52.4 2.6 17.0	52.3 22.3 2.5 16.6	2.0 49.9 1.9 15.6	2. 4 1.0 7.7 7.7 7.7	-0.6 8.1 2.7
Scandinavian 3 Pr Im Ex Rex Rex Co Co	Produc. Import Export Net Imp. Consump. SS-Rate	3,989 109 1,868 2,230 179	4, 384 79 2, 519 -2, 440 1, 944 226	5,801 177 3,235 -3,058 2,743 212	6, 229 3, 200 3, 200 3, 109 3, 109 199	5, 719 88 2, 797 -2, 709 3, 010 190	14.2 1.3 22.4 8.0	13.6 0.9 27.4 6.0	14.3 0.8 23.2 7.7	1,9 -6.2 6.2 -2.7	5.5 2.1 9.1
Other W. Europe Pr In Ex Records Co	Produc. Import Export Net Imp. Consump. SS-Rate	549 277 946 - 120 - 120	772 315 256 59 831 831 831	1,064 385 387 -2 1,062 1062	1,147 365 467 -102 1,045 110	1,156 420 468 1,108 134	2.0 3.4 11.4 -0.4	2.4 2.8 2.8 2.6 2.6	8 0 8 0 8 9 8 8	7.1 2.6 -23.0 -6.9	8.4 5.9 5.9 5.9
Total W. Europe Pr Im Ex Ne SS SS	Produc. Import Export Net Imp. Consump. SS-Rate	5,246 4,639 3,034 1,605 6,851 6,851	5, 964 5, 157 3, 006 2, 151 8, 115 8, 115 74	7,536 6,831 3,870 2,961 10,497 10,497	8, 077 6, 643 3, 879 2, 764 10, 841 10, 841	7,660 6,055 3,496 2,559 10,219 10,219 75	18.7 57.2 36.5 24.6	18.4 56.6 32.7 25.2	19.1 54.4 29.0 26.1	2.6 2.1 3.4 3.4	5.1 3.3 4.7
Eastern Europe Pr In Ex Ne Oc SS	Produc. Import Export Net Imp. Consump. SS-Rate	225 142 26 116 341 341	382 256 15 241 623 61	513 339 36 303 816 63	557 557 52 855 855	635 338 90 248 833 72	0.8 0.3 1.2	1.2 2.8 1.2 1.9	1.6 3.0 2.3	11.2 12.5 -10.4 12.8	10.7 5.7 43.1 7.2

Table Al1-4-8 Production/Import/Export/Apparent Consumption of Bleached Sulphate Pulp in the Monitor (0)

							_			(Unit: 1.000 MT)	) MT)
							Sh	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982 1	1977/72 19	1982/77
North America	Produc. Import Export	18,417 2,338 5,193	20,636 2,498 5,705	25, 086 2, 846 8, 248	25,520 2,839 7,319	24, 727 2, 663 7, 242	65.5 28.8 62.4	63.8 27.4 62.0	61.7 23.9 60.0	2.3 1.9 1.9	3.7 4.9
	consump. SS-Rate	-2,800 15,562 118	-3, 207 17, 429 118	-3,402 19,684 127	-4,480 21,040 121	-4, 5, 9 20, 148 123	55.8	54.1	51.5	2.3	2.9
Latin America	Produc. Import	603 157	1,114	2,177 202	1, 798 188	1,856 177	2.1	3.4	4.6	13.1	10.7
	Export Net Imp. Consump. SS-Rate	151 754 80	134 1,051 1051	- 781 - 781 1, 396 156	-776 -776 1.022 176	-785 -785 1,071 173	U.1 2.7	3.3	2.7	100.4 6.9	0.4
Asia	Produc. Import Export Net Imp. Consump. SS-Rate	3, 280 664 31 3, 913 84	3, 755 805 172 633 4, 388 86	4,477 1,756 123 1,633 6,110 6,110	4,268 1,551 1,551 1,551 5,652 5,652 76	4, 603 1, 568 1, 568 129 6, 042 6, 042 76	11.7 8.2 0.4 14.0	11.6 8.8 1.9 13.6	11.5 14.1 1.1 15.4	2.7 3.9 40.9 2.3	14.2 -5.6 6.6
Oceania	Produc. Import Export Net Imp. Consump. SS-Rate	190 190 289 289 289 289 289 289 289 289 289 289	323 122 86 86 86 86 86 88 88 88 88 88 88 88 88	327 145 408 814 808 808	377 377 72 454 83	335 136 69 61 83 83	1.3 1.0 1.0	1.0 1.3 1.2 1.2	1.0 1.0 1.0	11.2 3.6 81.4 6.0	0.7 3.2 0.8
Africe	Produc. Import Export Net Imp. SS-Rate	153 67 36 189 81	162 144 51 535 535 64	236 209 92 117 353 67	263 192 77 378 378 70	268 268 191 73 73 86 386 69	0.5 0.4 0.4	0.00 0.00 0.8	0.7 1.7 1.6	1.2 16.5 10.5 6.2	10.6 5.8 7.4 8.6

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Production/Import/Export/Apparent Consumption of Dissolving Moodpulp in the Morld by Region (1)

Table All-4-9

÷		in the Horl	the Horld by Region (1)	ы (])					N)	(Unit: 1,000 MT)	(TH D
							Sh	Share (%)		Åverage Rate	age Growth Rate (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72	1982/77
World Total	Produc. Import Export Consump.	5,018 1,480 1,876 4,622	4,703 1,338 1,704 4,337	4, 715 1, 494 1, 647 4, 562	4,588 1,276 1,625 4,239	4,324 1,204 1,377 4,151	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0	8008 1-1-0 1-1-1	-1.7 -2.1 -0.9
EC	Produc. Import Export Net Imp. Consump. SS-Rate	366 366 731 28 703 1,069 34	331 525 42 483 814 41	284 552 63 489 773 37	298 456 415 713 42	298 464 34 728 41	7.3 49.4 1.5 23.1	39.2 39.2 2.5 18.8	6.9 38.5 2.5 17.5		
Scandinavian 3	3 Produc. 1mport Export Net 1mp. Consump. SS-Rate	586 4 517 -513 173 397	504 1 429 -428 76 663	452 33 388 388 - 355 97 466	433 36 387 387 -351 82 82 528	401 60 1365 136 295 295	13.7 0.3 27.6 3.7	10.7 0.1 25.2 1.8	9.3 23.6 3.3	-6.0 -24.2 -3.7 -15.2	-4.5 -5.4 -5.4 12.3
Other H.Europe	e Produc. Import Export Net Imp. Consump. SS-Rate	142 142 166 166	161 61 61 73 73	173 26 9 190 91	175 33 12 12 196 196 89	162 22 12 172 94	3.6 0.1 3.6 3.6	6.4.5 P. 4.0.5 H	3.7 1.8 1.9 4.1	20.5 20.5 0.0 6.0	- 18.5 - 18.5 - 5.0
Total M.Europe	<pre>&gt; Produc. Import Export Net Imp. Consump. SS-Rate</pre>	1,194 759 545 214 1,408 85	996 587 471 116 116 1,112 90	903 611 460 151 1,060 86	906 525 440 85 991 91	861 546 371 175 1,036 83	23.8 51.3 29.1 30.5	21.2 43.9 27.6 25.6	19.9 45.3 26.9 25.1	-3.6 -5.0 -2.9 -4.6	-2.9 -1.4 -4.7 -1.4
Eastern Europe	e Produc. Import Export Net Imp. Consump. SS-Rate	1,106 109 87 1,128 1,128	1, 299 172 26 1,445 1,445 90	1, 205 78 16 1, 267 1, 267 95	1, 215 40 16 24 1, 239	1, 218 37 21 1, 234 1, 234 99	22.0 7.4 4.6 24.4	27.6 12.9 1.5 33.3	28.2 3.1 1.5 29.7	3.3 9.6 21.5 5.1	-1.3 -26.5 -4.2 -3.1

Production/Import/Export/Apparent Consumption of Dissolving Moodpulp in the MorId by Region (2)

Table AII-4-9

		TION AND B	ום רוגה אמנים מא עהצומט (2/	(2) 1					(Un	(Unit: 1,000 MT)	(TM D
							Sh	Share (%)		Average G Rate	Growth (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982 I	1977/72 1982/77	982/77
North America	Produc. Import Export Net Imp. Consump. SS-Rate	1, 873 216 1, 003 -787 1, 086 173	1, 539 200 852 652 887 174	1,681 292 932 -640 1,041 162	1,591 286 932 -646 945 168	1,351 221 746 -525 826 164	37.3 14.6 53.5 23.5 23.5	32.7 14.9 50.0 20.5	31.2 31.2 54.2 54.2 19.9	- 3. 9 - 1. 5 - 4. 0	-2.6 -2.6 -2.6 -1.4
Latin America	Produc. Import Export Net Imp. Consump. SS-Rate	12 12 12 12 12 12 12 12 12 12 12 12 12 1	52 39 39 39 39 39 39 39	47 27 0 24 64	47 16 16 63 75	47 16 16 63 63 75	0.0 4.9 0.1 1.6	1.1 2.9 2.1 2.1	1.1 1.3 1.5	-11.5 - 4.8	-2.0 -16.3 -7.1
Asia	Produc. Import Export Net Imp. Consump. SS-Rate	600 310 309 909 66	469 332 325 325 7 794 59	453 480 479 932 49	409 405 404 813 50	427 380 378 805 53	12.0 20.9 0.1 19.7	10.0 24.8 0.4 18.3	9.9 31.6 0.1 19.4	-4.8 1.4 -2.7	-1.9 2.7 -22.2 0.3
Oceania	Produc. Import Export Net Imp. Consump. SS-Rate	040440	0~0~70				0.0 0.0 0.1	0.0 0.5 0.2 0.2	0.0 0.0 0.1	11.8 	-15.6 -15.6
Africa	Produc. Import Export Net Imp. Consump. SS-Rate	245 9 241 -232 13 1,885	348 348 348 1 348	420 237 237 183 230 230	420 236 - 236 184 228	420 0 236 -236 184 228	4.9 0.6 0.3 0.3	7.4 0.0 20.4 0.0	9.7 17.1 4.4	7.3	3. 3. 3 . 5 - 1
Source: Yearboo Note: SS-Rate:	1 7	<ul> <li>of Forest Products, 1985</li> <li>Self-sufficiency Rate (%)</li> </ul>	s, 1982 (PAO) ate (%)	(0)							

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Table AII-4-10 Production/Import/Export/Apparent Consumption of Other Fiber Pulp

				• . •			S	Share (%)		Average Growth Rate (%/y)	age Growth Rate (%/y)
Region	Item	1972	1977	1980	1981	1982	1972	1977	1982	1977/72 1982/77	17/2861
Horld Total	Produc. Import Export Consump.	6,010 147 176 5,981	7,449 182 226 7,405	8,620 202 198 8,624	8,618 208 166 8,660	8,626 193 139 8,680	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	4 4 4 4 4 4 4	3.2 9.3 3.2 3.2
Ca	Produc. Import Export Net Imp. Consump. SS-Rate	198 75 17 58 58 856 93	560 46 39 94	404 59 17 42 446 91	310 61 55 365 85	84 84 862 862 88 88 88 88 88 88 88 88 88 88 88 88 88	13.3 51.9 9.7 14.3	25.3 3.1 8.1 8.1	33.2 33.2 4.2		1 1 1 0 0 0 0
Scandinavian 3	Produc. Import Export Net Imp. Consump. SS-Rate	0-00			04-10-40	600605	0.0 0.7 0.0	0.0 0.0 0.0	0.0 3.1 0.0 0.1	5111	<b>i</b> I I I
Other H.Europe	Produc. Import Export Net Imp. Consump. SS-Rate	185 7 192 192 96	186 -3 -14 172 108	153 16 3 13 13 166 92	155 2 3 154 161	147 1 4 1 4 1 102	3.1 4.8 0.0 3.2	2.5 -1.6 4.9 2.3	1.7 2.9 1.7	0.1 -0.4 0.0 -2.2	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-
Total W. Burope	Produc. Import Export Net Imp. Consump. SS-Rate	983 83 17 66 1,049 94	746 43 18 25 771 97	557 78 78 20 58 615 91	465 465 9 61 526 88	450 71 9 62 512 88	16.4 56.5 9.7 17.5	10.0 23.6 8.0 10.4	36.2 6.5 5.9	-5.4 -12.3 -12.3 -6.0	- 12.9 - 12.9 - 12.9
Bastern Europe	Produc. Import Export Net Imp. Consump.	520 73 449 116	561 103 - 93 468 468	492 10 496 496	511 511 515 4 90	494 495 499 499 499 499 499 499 499 499	8.7 41.5 7.5	7.5 5.5 45.6 6.3	5.7 5.7 5.7	1.5 38.0 7.1 0.8	12,9

Production/Import/Export/Apparent Consumption of Other Fiber Pulp in the World by Region (2)

Table All-4-10

		·					Sh	Share (%)		Average Growth Rate (%/y)	Growth (%/y)
Region	I tea	1972	L161	0861	1981	1982	1972	1977	1982 19	1977/72 1	1982/77
North America	Produc. Import Export	630 28 50	610 48 67	790 26 135	790 25 120	790 24 95	10.5 19.0 28.4	8.2 26.4 29.6	9.2 12.4 68.3	-0.6 11.4 6.0	-12.9 -12.9
	Net Imp. Consump. SS-Rate	-22 608 104	-19 591 103	-109 681 116	- 95 665 114	719 719	10.2	8.0	8.3	-0.6	4.9
Latin America	Produc. Import Export	492 1 4	662 9 9	746	50 0 0 80 80 80 80 80 80 80 80 80 80 80 80 80	802 102	8.2 0.7 2.3	8.9 0.5 4.0	9.4 0.5 0.0	6.1 6.1 17.6	4.0
	Net Lap. Consump. SS-Rate	489 101	-8 654 101	747	807 100	808 100	8.2	8.8	9.3	6.0	4.3
Asia	Produc. lmport Export	3, 242 30 15	4, 738 26 12	5,800 49 21	5,823 48 19	5,857 46 19	53.9 20.4 8.5	63.6 14.3 5.3	67.9 23.8 13.7	7.9	4.3 12.1 9.6
-	Ket løp. Consump. SS-Rate	3,257	4,752 100	5,828 100	5,852 100	5,884 100	54.5	64.2	67.8	7.8	4.4
Oceania	Produc. Import Export	666	~~~~	10 KI O C	5000	01 rd D r	000		0 - 2 0 - 2 0 - 2	111	35.1 0.0
	ket imp. Consump. SS-Rate		3.	11	17 17	10 90	0,0	0.0	1 0	<b>н</b>	27.2
Africa	Produc. Import Export	144	129 53 16	230 36 16	219 56 16	219 44 16	2.0	1.7 29.1 7.1	2.5 22.8 11.5	-2.2 77.6 -1.2	11.2 -3.7 0.0
	consump. SS-Rate	130	166 78	250 92	\$23 82 82	247 89	2.2	2.2	2.8	5.0	8,3

#### Annex II-5

### PRODUCTION/IMPORT/EXPORT/APPARENT CONSUMPTION OF WOODPULP BY KIND IN LATIN AMERICAN COUNTRIES

#### (NOTES)

- 1. Produc.: Production
   Net Imp.: Net Import
   Consump.: Apparent Consumption
- 2. Net Import = Import Export
- 3. Apparent Consumption = Production + Import Export
- 4. SS-Rate = Production/Apparent Consumption x 100
- 5. "Woodpulp Total" includes "Chemical Woodpulp", "Mechanical Woodpulp", "Semi-chemical Woodpulp" and "Dissolving Woodpulp"
- 6 "Chemical Woodpulp" includes "Unbleached Sulphite Pulp", "Bleached Sulphite Pulp", "Unbleached Sulphate Pulp", "Bleached Sulphate Pulp", and other chemical woodpulp.

Table AII-5-1

Production/Import/Export/Apparent Consumption

of Woodpulp by Kind in Mexico (1)

							Average Rate	Growth (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Woodpulp Total	Produc.	328	437	447	462	457	5.9	0.9
	Import	113	70	208	223	214	-9.1	25.0
	Export	0	0	0	0	0	· _	
	Net Imp.	113	70	208	223	214		
	Consump.	441	507	655	685	671	2.8	5.8
	SS-Rate	74	86	68	67	68		
Chemical Wood-	Produc.	266	379	397	408	400	7.3	1.1
pulp	Import	68	55	181	194	187	-4.2	27.7
	Export	0	0	0	0	0		· -
	Net Imp.	68	55	181	194	187	an an tha	
	Consump.	334	434	578	602	587	5.4	6.2
	SS-Rate	80	87	69	68	68		
Unbleached	Produc.	12	5	10	8	9	-16.1	12.5
Sulphite Pulp	Import	0	0	0 -	0	0	-	
	Export	Ó	· 0	0	0	0	· · ·	
	Net Imp.	0	Ö	Û	0	Û		
: `	Consump.	12	5	10	8	9	-16.1	12.5
- 14	SS-Rate	100	100	100	100	100		
Bleached Sul-	Produc.	7	9	2	2	2	5.2	-26.0
phite Pulp	Import	0	0	0	. 0	0	-	-
	Export	0	. D.	0	0	0		-
	Net Imp.	0	0°	0	0	0	:	
	Consump.	7	9	2	2	2	5.2	-26.0
	SS-Rate	100	100	100	100	100	· .	
Unbleached	Produc.	152	224	160	178	182	8.1	-4.
Sulphate Pulp	Import	0	0	Û	0	0	-	-
	Export	0	0	0	0	0	-	-
	Net Imp.	0	0	0	0	. 0		
	Consump.	152	224	160	178	182	8.1	-4.
· ·	SS-Rate	100	100	100	100	100		
Bleached Sul-	Produc.	94	141	224	222	209	8.4	8.
phate Pulp	Import	0	0	0	0	0	-	
	Export	0	0	0	0	0		
	Net Imp.	<b>()</b>	0	0	• ()	. 0		
	Consump.	94	141	224	222	209		8.
	SS-Rate	100	100	100	100	100		

Table AII-5-1	Production/Import/Export/Apparent Consumption
	of Woodpulp by Kind in Mexico (2)

(Uni	t :	1,000	MT)
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							Average Rate	Growth (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Mechanical	Produc,	62	54	46	50	53	-2.7	-0.4
Woodpulp	Import	25	11	27	29	27	-15.1	19.7
	Export	0	0	Ō	0	0	-	-
	Net Imp.	25	11	27	29	27		
	Consump.	87	65	73	79	80	-5.7	4.2
	SS-Rate	71	83	63	63	66	.:	- ·
Dissolving	Produc.	0	4	4	4	4	**	0.0
Woodpulp Imp Exp Net Cor	Import	19	4	0	0	0	-26.8	
	Export	0	0	. 0	0	0	-	
	Net Imp.	19	4	Û	Û	. 0		
	Consump.	19	8	4	4	4	-15.9	-12.9
	SS-Rate	0	50	100	100	100		
Other Fiber	Produc.	155	239	230	285	295	9.0	4.3
Pulp	Import	0	0	0	0	0	· -	1
- -	Export	4	9	Ō	0	Ó	17.6	-
	Net Imp.	-4	-9	0	0	0		
	Consump.	151	230	230	285	295	8.8	5.1
	SS-Rate	103	104	100	100	100		

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

	:							e Growth te (%/y)
· · · · ·		1972	1977	1980	1981	1982	1977/72	
		990	965		<u>مح</u>	000		
Pulpwood Total		239	265 86	309 116	254	308	2.1	3.1
•	Import	149	80 0	116 0	128	148	-10.4	11.5
	Export Not Inc	0 149	86	116	0 128	0 148	-	-
	Net Imp.	388	351	425	382	456	2 0	5.4
	Consump.						-2.0	0.4
	SS-Rate	62	75	73	66	68	······································	
Chemical Wood-	Produc.	136	171	164	104	160	4.7	-1.3
pulp	lmport	123	70	102	120	135	-10.7	14.0
	Export	0	Û	Ð	0	0		
	Net Imp.	123	70	102	120	135		
	Consump.	259	241	266	224	295	-1.4	4.1
· ·	SS-Rate	53	71	62	46	54	•	
Unbleached	Produc.	-0	2	2	1	2		0.0
Sulphite Pulp	Import	6	Õ	ī	Ô	1		
ourphilos rurp	Export	Ő	Ŏ	Ô	Ŭ	. 0	_	
	Net Imp.	6	Ŏ	ĩ	Ŭ	1		
	Consump.	6	2	3	1	3	-19.7	8.4
:	SS-Rate	Û	100	67	100	67	1011	:
Bleached Sul-	Produc.	35	31	29	18	28	-2.4	-2.0
		11	3	23	2	20	-22.9	-7.8
phite Pulp	Import	0	о О	ι μ. Ο	2	0	~ 66.3	- 1.0
	Export Not Inc		0 3	2	2	u 2		
	Net Imp.	11		31	20	30	-5.9	0 5
	Consump. SS-Rate	46 76	34 91	94	20 90	93	~0.9	-2.5
		·						
Unbleached	Produc.	49	88	80	51	78	12.4	-2.4
Sulphate Pulp	Import	59	10	24	23	28	-29.9	22.9
	Export	0	• 0	0	0	0	~	-
	Net Imp.	59	10	24	23	28		
	Consump.	108	98	104	74	106	-1.9	1.6
	SS-Rate	45	90	77	69	74		
Bleached Sul-	Produc.	52		53	34	52	-0.8	0.8
phate Pulp	Import	47	57	75	95	104		12.8
•	Export	0	0	0	0	0	<u> </u>	-
	Net Imp.	47	57	75	95	104		
	Consump.	99	107	128	129	156	1.6	7.8
	SS-Rate	53	47	41	26	33		

Table AII-5-2Production/Import/Export/Apparent Consumption<br/>of Woodpulp by Kind in Argentina (1)

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Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Argentina (2)

(Unit: 1,000 MT)	(Unit	: 1	,000	MT)
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								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Mechanical	Produc.	41	34	22	19	22	-3.7	-8.3
Woodpulp	Import	4	2	3	3	5	-12.9	20.1
	Export	0	0	0	0	0		
	Net Imp.	4	2	3	0	5		
	Consump.	45	36	25	22	27	-4.4	-5.6
	SS-Rate	91	94	88	86	81	· .	
Semi-chemical	Produc.	62	54	118	126	121	-2.7	17.5
Woodpulp	Import	1	0	0	0	0	-	-
	Export	ñ	Ō	0	0	0	-	-
	Net Imp.	1	0	0	0.	0		
· · · · ·	Consump.	63	54	118	126	121	-3.0	17.5
	SS-Rate	98	100	100	100	100		
Bissolving	Produc.	8	6	5	5	5	· _	-3.6
Woodpulp	Import	22	14	11	6	8	-8.6	-10.6
	Export	0	Û	0	0	0	-	_
	Net Imp.	22	14	11	6	8		
	Consump.	22	20	16	11	13	-1.9	-8.3
	SS-Rate	0	30	31	45	38		
Other Fiber	Produc.	44	74	45	44	45	11.0	-9.5
Pulp	Import	1	8	1	8	0	-	-
,	Export	· 0	0	0	0	0	+	-
	Net Imp.	1	Ō	1	Û	- 0		
	Consump.	45	74	46	44	45	10.5	-9.5
	SS-Rate	98	100	98	100	100		

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%) Table AII-5-3

Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Brazil (1)

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			· · · · · · · · · · · · · · · · · · ·		·	(1	Jnit: 1,(	100 MT)
			· · ·					e Growtl ce (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/7
Pulpwood Total	Produc.	974	1649	2911	2833	2929	11.1	12.5
	Import	148	68	60	33	.15	-14.4	-26.
	Export	141	95	890	951	825	-7.6	54.
	Net Imp.	7	-27	-830	-918	-810		
1000 B	Consump.	981	1622	2081	1915	2119	10.6	5.
	SS-Rate	99	102	140	148	138		:
Chemical Wood-	Produc.	674	1347	2520	2452	2536	14.9	13.
pulp	Import	117	54	° 53	27	12	-14.3	-26.
	Export	134	93	888	948	820	-7.0	54.
1	Net Imp.	-17	-39	-835	-921	-808	÷ 1.	
	Consump,	657	1308	1685	1531	1728	14.8	5.
	SS-Rate	103	103	150	160	147		
Unbleached	Produc,	40	42	74	72	74	1.0	12.
Sulphite Pulp	Import	1	0	0	0	0	-	
	Export	6	-1	. 1	1	2	-30.1	- 14.
	Net Imp.	-5	-1	-1	-1	-2		
	Consump.	35	41	73	71	72	3.2	11.
	SS-Rate	114	102	101	101	103		
Bleached Sul-	Produc.	49	63	89	87	90	5.2	7.
phite Pulp	Import	8	2	2	2	2	-24.2	0.
	Export	0	1	1	2	3		24.
	Net Imp.	8	1	1	0 ·	-1		
· · · ·	Consump.	57	64	90	87	89	2.3	6.
	SS-Rate	86	98	99	100	101	:	
Unbleached	Produc.	267	588	772	751	. 777	17.1	5.
Sulphate Pulp	Import	17	19	12	. 8	- 3	2.2	-30.
	Export	123	73	120	182	79	-9.9	1.
	Net Imp.	-106	-54	-108	-174	-76		
	Consump.	161	534	664	577	701	27.1	5.
·	SS-Rate	166	110	116	130	111		
Bleached Sul-	Produc.	318	654	1585	1542	1595	15.5	19.
phate Pulp	Import	92	33	39	17	7	-18,5	-26.
	Export	6	19	766	762	735	25.9	107.
	Net Imp.	86	14	-727	-745	-728		
· · · · · ·	Consump	404	668	858	797	867	10.6	5.
	SS-Rate	79	98	185	193	184		

Table AII-5-3	Production/Import/Export/Apparent Consumption
	of Woodpulp by Kind in Brazil (2)

able AII-5-3	Production/Import/Export/Apparent Consumption
	of Woodpulp by Kind in Brazil (2)
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(Uni	t:	1,	000	MT)

								e Growth te (%/y)
	:	1972	1977	1980	1981	1982	1977/72	1982/77
echanical	Produc.	180	140	207	201	208	-4.9	8.2
oodpulp	Import	1	0	0	0	. 0	, <del>-</del>	. ~
	Export	7	2	3	3	5	-22.2	20.1
	Net Imp.	-6	-2	-3:	-3	-5		
	Consump.	174	138	204	198	203	-4.5	8.0
	SS-Rate	103	101	101	102	102		,
emi-chemical	Produc.	120	120	146	142	147	0.0	4.1
oodpulp	Import	0	0	0	0	0	-	-
	Export	6	0	8	8	0	-	
	Net Imp.	Ō	0	Ó	0	Ō		
	Consump.	120	120	146	142	147	0.0	4.1
	SS-Rate	100	100	100	100	100		
issolving	Produc.		42	38	38	38		-2.0
podpulp	Import	30	14	7	6	4	-14.1	-22.2
ovapaip	Export	0	0	O	Õ	Ô		
	Net Imp.	30	14	7	6	- 4		
	Consump.	30	56	45	44	42	13.3	-5.6
	SS-Rate	0	75	84	86	90	1010	
ther Fiber	Produc,	60	88	150	150	150	8.0	11.3
1]p	Import	Ő	1	1	1	1	-	
	Export	Ő	Ô	Ô	Ô	Ô	-	-
	Net Imp.	ñ	. 1	ĭ	ĩ	1		
	Consump.	60	89	151	151	151	8.2	11.2
	SS-Rate	100	99	99	99	99		

Sources: Yearbook of Forest Products, 1972-1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

						(1	Jnit: 1,1	000 MT)
								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Produc.	345	599	763	743	667	11.7	2.2
	Import	7	3	0	0	0	-15.6	. <del></del>
	Export	121	339	416	411	462	22.9	6.4
	Net Imp.	-114	-336	-416	-411	-462		
	Consump.	231	263	347	332	205	2.6	-4.9
	SS-Rate	149	228	220	224	325		
Chemical Wood-	Produc.	243	474	632	618	552	14.3	3.1
pulp	Import	6	0	:= <b>0</b>	. 0	<u>.</u>		-
	Export	121	338	415	410	462	22.8	6.5
	Net Imp.	-115	-338	-415	-410	-462		
	Consump.	128	136	217	208	90	1.2	-7.9
	SS-Rate	190	349	291	297	613		
Unbleached	Produc.	13	15	18	16	16	2.9	1.3
Sulphite Pulp	Import	0	0	0	. 0	0		-
	Export	0	0	0	0	0	· -	-
	Net Imp.	0	0	0	. 0	0		
	Consump.	13	15	18	16	16	2.9	1.3
	SS-Rate	100	100	100	100	100		
Unbleached	Produc.	91	190	299	*1 295	*1 263	15.9	6.7
Sulphate Pulp	Import	0	0	0	0	. 0		-
	Export	. O	163	198	209	235	0.0	7.6
	Net Imp.	0	-163	-198	-209	-235		
	Consump.	91	27	101	86	28	-21.6	0.7
	SS-Rate	100	704	296	343	939	· · ·	
Bleached Sul-	Produc.	139	269	315	*1 307	*1 273	14.1	0.3
phate Pulp	Import	0	0	0	0	0	· –	<del>.</del>
	Export	0	175	217	201	227	-	5.3
,	Net Imp.	0	-175	-217	-201	-227		
	Consump.	139	94	98	106	46		-13.3
	SS-Rate	100	286	321	290	593		
Mechanical	Produc.	102	125	131	125	115		
Woodpulp	Import						0.0	
	Export		1	1	. 1		0.0	0.0
	Net Imp.	0	-1	-1	-1	0		
	Consump.	102	124	130	124	115		-1.5
	SS-Rate	100	101	101	101	100		

Table AII-5-4Production/Import/Export/Apparent Consumption<br/>of Woodpulp by Kind in Chile (1)

(Unit: 1,000 MT)

Table AII-5-4	Production/Import/Export/Apparent Consumption
	of Pulpwood by Kind in Chile (2)

Table AII-5-4	Production/Import/Export/Apparent Consumption
	of Pulpwood by Kind in Chile (2)

(Unit: 1,000 MT).

						• •		e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Dissolving	Produc.	0	0	0	0	0		
Woodpulp	Import	. 1	3	0	0	0	24.6	÷
	Export	Ð	0	· 0 :	Û -	. 0	-	-
1	Net Imp.	. 1	3	0	0	0		
	Consump.	- <b>1</b> - 11	3	0	0	0	24.6	0.0
	SS-Rate	0: .	0	0	0	. 0.	a de la composición d	

Sources: Yearbook of Forest Products, 1971-1982 (FAO)

Notes: 1. SS-Rate: Self-sufficiency Rate (%) 2. \*1 Divided UKP Production in 1981 (602,000 MT) and in 1982 (536,000 MT) bu FAO's data to UKP and BXP on the assumption that the production rate of BKP to UKP is the same to that in 1980.

								e Growth te (%/y)
	Item	1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Import	70 52	110 20	123 52	126 66 0	115 55	9.5 -17.4	0.9 22.4
	Export Net Imp. Consump. SS-Rate	0 52 122 57	0 20 130 85	0 52 175 70	66 192 66	0 55 170 68	1.3	5.5
Chemical Wood- pulp	Import Export	49 51 0	81 14 0	86 45 0	85 61 0 61	93 50 0	10.6 -22.8 -	2.8 29.0
	Net Imp. Consump. SS-Rate	51 100 49	14 95 85	45 131 66	146 58	50 143 65	-1.0	8.5
Bleached Sul- phate Pulp	Produc. Import Export Net Imp.	0 0 0 0	0 0 0 0 0	0 1 0 1 1	0 4 0 4 4	0 3 0 3 3	-	-
	Consump. SS-Rate	0			<u> </u>	0		
Unbleached Sulphate Pulp	Produc. Import Export Net Imp.	49 0 0 0	81 2 0 2	86 10 0 10	85 16 0 16	93 10 0 10	10.6	2.8 38.0 -
	Consump. SS-Rate	49 100	83 98	96 90	101 84	103 90	11.1	4.4
Bleached Sul- phate PUlp	Produc. Import Export	0 0 0	0 11 0	0 34 0	0 41 0	0 37 0		27.5
	Net Imp. Consump. SS-Rate	0 0 0	11 11 0	34 34 0	41 41 0	37 37 0	•	27.5
Mechanical Woodpulp	Produc. Import Export Net Imp. Consump. SS-Rate	0 1 0 1 1	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	-   	-

Table AII-5-5 Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Colombia (1)

(Unit: 1,000 MT)

								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Semi-chemical	Produc.	21	29	37	41	22	6.7	-5.4
Woodpulp	lmport	0	0	0	0	0		-
- •	Export	· ()	Û	0	0	. 0	-	. ••.
	Net Imp.	Û	0	0	C	Û		
	Consump.	21	29	37	41	22	6.7	-5.4
	SS-Rate	100	100	100	100	100		
Dissolving	Produc,	0	0	0		· 0		-
Woodpulp	Import	0	6	- 7	5	5	-	-3.6
- ·	Export	0	0	0	0	· 0	-	-
	Net Imp.	0	6	7	5	· 5		
	Consump.	0	6	7	5 🕤	5	0.0	-3.6
	SS-Rate	0	Û	0	0	. 0		
Other Fiber	Produc.	75	68	84	88	79	-1.9	3.0
Pulp	Import	Û	0	0	0	0	-	
	Export	Ō	Û	Ū	0 -	0		-
	Net Imp.	Ō	0	Û	<b>)</b>	0		
	Consump.	75	68	84	88	79	-1.9	3.0
	SS-Rate	100	100	100	100	100		

# Table AII-5-5Production/Import/Export/Apparent Consumption<br/>of Woodpulp by Kind in Colombia (2)

(Unit: 1,000 MT)

-William

Sources: Yearbook of Forest Products, 1972–1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

Table AII-5-6

Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Equador (1)

						(t	Init: 1,0	00 (11)
:							Average Rat	Growth e (%/y)
н н ц.н. М		1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Produc.	0	0	0	0	0	<u> </u>	
· · · · · · · · · · · · · · · · · · ·	Import	Q	2	8	57	57	-	95.4
	Export	ñ	Ō	Õ	Û.	Ū.	-	
	Net Imp.	ñ	2	8	57	57		
	Consump.	Ň	$\overline{2}$	8	57	57	·	95.
	SS-Rate	Û	0	Ŏ	Û	Û		
Chemical Wood-	Produc.	C	0	0	0	0	· ·	
pulp	Import	0	2	6	4	11	ê -	40.
	Export	0	0	0	0	i ()	. –'	
	Net Imp.	Ū.	2	6	4	11		
	Consump.	0	2	6	4	11	-	40.
	SS-Rate	0	0	0	0	• 0		
Unbleached	Produc.	0	0	0	0	0		
Sulphite Pulp	Import	0	0	1	0	0	-	
	Export	0	0 .	0	0	0	· -	•
	Net Imp.	Q	0	1	0	0		
	Consump.	0	0	1	0	. 0	-	-
<u> </u>	SS-Rate	0	0	0	0	0		
Unbleached	Produc.	0	0	0	0	0	-	
Sulphate Pulp	Import	0	2	3	0	0		
	Export	0	0	0	0	0	-	
	Net Imp.	0	2	3	0	0		
	Consump.	0	2	3	· ()	0	-	
	SS-Rate	0	0	Q	0	0		
Bleached Sul-	Produc.	0	0	0	0	0		
phate Pulp	Import	0	0	2	4	11	-	
	Export	· D	ß	0,	D	0	-	
	Net Imp.	0	Ð	2	4	11		
	Consump.	- 0	0	2	4	11	· -	
	SS-Rate	0	0	0	0	0		
Mechanical	Produc.	0	0	Û	0 52	0	-	
Woodpulp	lmport	0	0	0		46	-	
·	Export	0	0 .	· ()	0	0	-	
	Net Imp.	0	0	0	52	46		
	Consump.	0	. 0	.0	52	46	-	
	SS-Rate	0	0	0	0	0		

							Average Growth Rate (%/y)			
				1972	1977	1980	1981	1982	1977/72	1982/77
Dissolving	Produc,	0	0	0	0	0	. :- -			
Woodpulp	Import	Ó	- 0	2	0	0		-		
	Export	Û	Ó	0	0	0	-	-		
	Net Imp.	0	0 -	2	0	0		:		
	Consump.	0	0	2	0	0	~	+		
	SS-Rate	. 0	0	Ő	0	0				
Other Fiber	Produc.	4	7	5	5	5	11.8	-6.5		
Pulp	Import	0	0	0	9	0	-	· _		
· · · ·	Export	0	0	0	0	0		-		
	Net Imp.	. 0	Ð	0	0	0				
	Consump.	4	7	5	5	5	11.8	-6.5		
	SS-Rate	100	100	100	100	100				

Table AII-5-6Production/Import/Export/Apparent Consumptionof Woodpulp by Kind in Ecuador (2)

(Unit: 1,000 MT)

Sources: Yearbook of Forest Products, 1972-1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

	· ·	of Woo	dpulp by l	(ind in P	eru (1)	(1	Unit: 1,(	100 MT)
								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Produc.	0	13	15	15	15	<u></u>	2.9
· ·	Import	43	39	32	24	24	-1.9	-9.3
:	Export	1	0	0	0	0		· -
	Net Imp.	42	39	32	24	24		
	Consump.	42	52	47	39	39	4.4	-5.6
	SS-Rate	0	25	32	38	38		
Chemical Wood-	Produc.	Û	13	15	15	15		2.9
pulp	Import	43	- 38	30	24	24	-2.4	-8.8
	Export	1	0 -	0	0	0	-	-
	Net Imp.	42	38	30	24	24	· · ·	
	Consump.	42	51	45	39 :	39	4.8	-5.2
	SS-Rate	0	25	33	- 38	38		
Bleached Sul-	Produc.	0	0	0	0	0		
phite Pulp	Import	0 * *	· · 1 ·	1	1	<b>1</b>	· · -	
	Export	0 ·	0	0	0	0	-	
	Net Imp.	0	. 1	1 -	1	1		
	Consump.	0 . *	1	1	1	1	0.0	0.0
· · · · · · · · · · · · · · · · · · ·	SS-Rate	0	- 0	0	0	0		· · · · ·
Unbleached	Produc.	0	7	11	*1 11	*1 11	-	0.0
Sulphate Pulp	Import	26	22	14	12	12	-3.3	-11.4
	Export	0	0	0	0	0	-	-
	Net Imp.	26	22	14	12	12	· · ·	_
	Consump.	26	29	25	23	23	2.2	-4.5
	SS-Rate	0	24	44	48	48		
Bleached Sul-	Produc.	0	0	0	0	0	·	-
phate Pulp	Import	16	15	15	12	12	-1.3	-4.4
	Export	0	0	0	0	0	-	-
	Net Imp.	16	15	15	12	12	* ~	
	Consump.	16	15	15	12	12	-1.3	-4,4
·····	SS-Rate	0	0	0	0	- 0		
Mechanical	Produc.	0	0	0	0	0	-	-
Woodpulp	Import	0	0	3	0	• 0	-	
	Export	0	0	0	0	0	-	
	Net Imp.	0	· · 0	3	0	0		
	Consump.	0	0	. 3	0	0		
	SS-Rate	0	0	· 0	0	0		

Table All-5-7

Production/Import/Export/Apparent Consumption

Table AII-5-7

Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Peru (2)

								e Growth te (%/y)
	Item	1972	1977	1980	1981	1982	1977/72	1982/77
Semi-chemical	Produc.	0	0	0	0	0	-	
Woodpulp	Import	0	1	0	0	0	-	-
	Export	0	0	0	0	0	+	-
	Net Imp.	0	1	0	0	. 0		•
	Consump.	0	1	0	0	0		-
	SS-Rate	0	0	0	0	0		
Other Fiber	Produc.	91	98	155	155	155	1.5	9.6
Pulp	Import	0	0	0	0	0	-	
·•	Export	Ō	0	0	0	0	· _	-
	Net Imp.	Ō	0	Û	Û	0		
	Consump.	91	98	155	155	155	1.5	9.6
	SS-Rate	100	100	100	100	100		

Sources: Yearbook of Forest Products, 1972-1982 (FAO)

Notes: 1. SS-Rate: Self-sufficiency Rate (%)

 \*1 Assumed to be the same level to 1980's production. is not available in the FAO's Yearbook. (The production

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Table AII-5-8

-5-8 Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Uruguay (1)

(Unit: 1,000 MT)

en e								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Produc.	5	14	24	24	24	22.9	11.4
	Import	9	8	9	7	7	-2.3	-2.6
	Export	0	0	· 0.	0	0	-	
	Net Imp.	9	8	9	7	7		
	Consump.	14	22	33	31	31	9.5	7.1
	SS-Rate	36	64	73	77	. 77		
	Produc.	0	10	19	18	18	_	12.5
pulp	Import	8	8	9	7	. 7	0.0	-2.0
	Export	0	0	0	0			-
	Net Imp.	8	8	9	7	7		
	Consump.	8	18	28	25	25	17.6	6.8
	SS-Rate	0	56	68	72	72		
Unbleached	Produc.	0	Û	0	0	0		
Sulphite Pulp	Import	1	1	1	1	1	0.0	0.0
	Export	Õ	Ō	0	0	Ō	-	-
	Net Imp.	1	1	1	1	1		
	Consump.	1	1	1	1	1	0.0	0.0
	SS-Rate	0	0	0	0	0		
Bleached Sul-	Produc.	.0	. 0 .	0		0		
phite Pulp	Import	2	2	1	1	- 1	0.0	-12.9
•	Export	0	0	0	Ő	Ū		
	Net Imp.	2	2	1	1	1		
	Consump.	2	2	1	1	1	0.0	-12.9
	SS-Rate	Ō	Ō	Û	Ū	Û		
Unbleached	Produc.	0	10	19	18	18		12.5
Sulphate Pulp	Import	2	2	2	2	2	0.0	0.(
	Export	0 0	Ō	Ō	Õ	Ū		-
	Net Imp.	2	ž	2	ž	2		
	Consump.	$\overline{2}$	12	21	2Õ	20	43.1	10.8
.*	SS-Rate	0	83	90	90	90		
Bleached Sul-	Produc.	0	0	0	0	0		
phate Pulp	Import	2	4	6	4	4	14.9	0.1
	Export	Ũ	Ū	Õ	Ū,	O		
	Net Imp.	2	4	. 6	4	4		
	Consump.	2	4	6	4	4	14.9	0.
	SS-Rate	Õ	Ó	Õ	Ô	Ō		- •

Table	AII	-5-
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8 Production/Import/Export/Apparent Consumption of Woodpulp by Kind in Uruguay (2)

								e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Mechanical	Produc.	2	2	2	3	3	0.0	8.4
Woodpulp	Import	1	0	.0	0	0	-	-
	Export	0	0	0	0	0	-	
	Net Imp.	1	0	0	0	0		
	Consump.	3	2	2	3	3	-7.8	8.4
	SS-Rate	67	100	100	100	100		
Semi-chemical	Produc.	2	2	3	3	3	0.0	8.4
Woodpulp	Import	0	0	0	0	. 0		· _
	Export	0	Ō	0	0	0	. –	
	Net Imp.	0	0	0	0	0		
	Consump.	2	2	3	. 3	3	0.0	8.4
	SS-Rate	100	100	100	100	100		
Other Fiber	Produc.	4	4	NA	NA	NA	-	. –
Pulp	Import	Ō	. 0	0	0	0	· _	-
-	Export	Û	0	Û	0		-	-
	Net Imp.	0	.0	Û	Û	. 0		
	Consump.	4	4	Ō	0	Ō	-	-
	SS-Rate	100	100	Û	Ō	÷ 0		

Sources: Yearbook of Forest Products, 1972-1982 (FAO) Note: SS-Rate: Self-sufficiency Rate (%)

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(Unit: 1,000 MT)

rt/Export/Annar

			·					e Growth te (%/y)
		1972	1977	1980	1981	1982	1977/72	1982/77
Pulpwood Total	Produc.	16	46	56	56	56	23.5	4.0
	Import	133	151	173	173	173	2.6	2.8
	Export	0	0	0	0	0	-	-
·	Net Imp.	133	151	173	173	173		
	Consump.	149	197	229	229	229	5.7	3.1
	SS-Rate	11	23	24	24	24		
Chemical Wood-	Produc.	16	42	50	50	50	21.3	3.5
pulp	Import	131	148	155	155	155	2.5	0.9
	Export	0	0	0	0	0	· -	-
	Net Imp.	131	148	155	155	155		
	Consump.	147	190	205	205	205	5.3	1.5
	SS-Rate	11	22	24	24	24		
Mechanical	Produc,	0	3	6	6	6	<u></u>	14.9
Woodpulp	Import	1	3	18	18	18	24.6	43.1
• • •	Export	Ō	Ő	0	0	Ó	_	-
	Net Imp.	1	3	18	18	18	•	
	Consump.	1	6	24	24	24	43.1	32.0
	SS-Rate	Ō	50	25	25	25		
Other Fiber	Produc.	23	46	46	46	46	14.9	0.0
Pulp	Import	0	0	0	0	0	-	-
•	Export	0	0	0	Ū	0	-	-
	Net Imp.	. 0	. 0	. 0	0	Û		
	Consump.	23	46	46	46	46	14.9	0.0
	SS-Rate	100	100	100	100	100		

Table AII-5-9Production/Import/Export/Apparent Consumption<br/>of Woodpulp by Kind in Venezuela

(Unit: 1,000 MT)

Sources: Yearbook of Forest Products, 1972-1982 (FAO)

Notes: 1. SS-Rate: Self-sufficiency Rate (%)

2. Breakdown of production and import of chemical pulp to USP, BSP, UKP and BKP is not available in the FAO's Yearbook.

#### Annex II-6

# RATES OF IMPORT/APPARENT CONSUMPTION OF PULP IN MAJOR IMPORTING COUNTRIES

#### (NOTE)

 Assumption to select the major importing countries or exporting countries is that the volume of import or export in 1982 is more than the following figures excluding the centrally planned countries:

	(Unit: 1,000	MT)
	Import	<u>Export</u>
Unbleached Sulphite Pulp	10	10
Bleached Sulphite Pulp	30	30
Unbleached Sulphate Pulp	30	30
Bleached Sulphate Pulp	50	50

		:										(Unit: 1,00	00 MT)
			1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	U.S.A.	Import Consump. Rate (%)	87 398 22	133 466 29	110 455 24	55 351 16	69 453 15	51 410 12	61 341 18	101 422 24	99 424 23	433 19	45 351 13
	Belux	Import Consump. Rate (%)	23 38 61	31 48 65	36 46 78	6 11 55	60 10 60	5 7 71	r- 6 %	t-∞∞ ∞	118 95	5 1 1 3 2 1 3 2 1 3 3 1 3 3 1 3 3 3 3 3 3	18 19 95
A	France	Import Consump. Rate (%)	55 121 45	75 113 66	89 103 86	88 60 88	48 64 75	44 59 75	35 41 85	28 30 33	27 29 93	53 53 53 53 53 53 53 53 55 55 55 55 55 5	20 21 95
II-72	W.Germany	/ Import Consump. Rate (%)	26 60 43	27 62 44	26 70 37	16 49 33	18 52 35	30 64 47	26 47 55	39 51 76	33 41 80	34 34 88 88	28 31 76
	Italy	Import Consump. Rate (%)	87 102 85	117 132 89	116 133 87	65 80 81	82 92 89	73 79 92	85 92 92	77 79 97	67 67 100	48 34 141	58 39 149
•	Norway	Import Consump. Rate (%)	129 22	173 173 3	21 156 13	117 4	106 4	ດເຜີດເ	17 88 19	24 102 24	23 101 23	21 84 25	15 63 24
	U.K.	Import Consump. Rate (%)	143 143 100	131 131 100	140 140 100	87 87 100	84 84 100	60 60 100	55 55 100	100 100 100	49 48 102	37 37 100	33 33 30 100

Rates of Export/Production of Unbleached Sulphite Pulp in Major Exporting Countries (1972-1982) Table AII-6-2

		-										(Unit: 1,000 MT)	00 MT)
			1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Can	Canada	Export Produc. Rate (%)	100 1,730 6	107 1,770 6	139 1,865 7	83 1,443 6	91 1,654 6	81 1,633 5	83 1,805 5	104 1,833 6	108 1,833 6	86 1,819 5	101 1,443 7
Lin Lin	Finland	Export Produc. Rate (%)	232 607 38	283 618 46	214 621 34	150 515 29	119 382 31	106 268 40	129 230 56	138 237 58	93 229 41	76 210 36	60 169 36
Swe	Sweden	Export Produc. Rate (%)	195 597 33	306 665 46	309 720 43	165 602 27	140 543 26	103 379 27	115 374 31	116 405 29	106 390 27	95 352 27	57 314 18
Sou	Irces:	Sources: Yearbook of Forest Products, 1972-1982	f Forest P	roducts, 1	l I	(FAO)							

Table	Table AII-6-3	Rates of Ir	¤port/Apparent	ent Consumption	of	Bleached Su	Sulphite Pulp	p in Major	Importing	Countries	(1972-1982)	(3
											(Unit: 1,000	30 MT)
		1972	1973	1974	1975	1976	1977	1978	6261	1980	1981	1982
U.S.A.	Import	293	322	409	271	327	412	378	436	288	320	254
	Consump.	1,746	1,698	1, 786	1,494	1,611	1,683	1,501	1,475	1,319	1,345	1,190
	Rate (%)	17	19	23	18	20	24	25	30	22	24	21
Belux	Import	89	82	67	48	75	90	88	89	90	90	90
	Consump.	112	108	97	71	103	114	109	106	107	107	107
	Rate (%)	79	76	69	88	73	79	81	84	84	84	84
France	Import	187	205	215	159	167	161	143	152	131	107	98
	Consump.	309	293	336	293	257	277	277	251	313	248	254
	Rate (%)	61	70	64	54	65	58	52	61	42	43	39
H.Germany Import	y Import	147	152	185	139	159	190	186	162	170	170	167
Consum	Consump,	575	580	677	584	627	683	638	666	704	665	666
Rate ()	Rate (%)	26	26	27	24	25	28	29	24	24	26	25
Greece	Import Consump. Rate (%)	100 100	67 67 100	52 52 100	48 48 101	50 50 100	20 20 100	34 34 100	23 23 100	34 34 100	37 37 100	37 37 100
Italy	Import	226	244	243	143	210	167	217	276	217	247	206
	Consump.	232	251	250	148	213	169	220	288	244	322	281
	Rate (%)	97	97	97	97	99	99	99	96	89	77	73
Nether- lands	Ĭmport Consump. Rate (%)	100 100 100	109 109 100	102 102 102	58 56 104	88 83 106	72 71 101	68 67 101	68 67 101	57 55 104	44 44 100	41 39 105
Sweden	Import Consump. Rate (%)	13 262 5	12 228 5	4 271 1	7 375 2	3 385 1	1 184 1	1 231 0	312 1	10 305 3	31 302 10	32 297 11
U.K.	Import	311	313	320	231	297	214	206	193	139	144	101
	Consump.	378	383	385	285	358	266	262	243	160	143	106
	Rate (%)	82	82	83	81	83	80	79	79	87	101	101
Austria	Import	48	51	65	26	44	47	43	36	35	43	38
	Consump.	353	376	391	327	353	379	345	391	361	335	351
	Rate (%)	14	14	17	8	12	12	12	9	10	13	11
Switzer- Iand	Import Consump. Rate (%)	27 57 47	37 76 49	44 81 54	25 58 43	16 49 33	186 210 89	191 218 88	182 243 75	216 285 75	206 272 76	193 258 75
Japan	Import	87	114	128	67	71	59	110	102	111	91	119
	Consump.	119	142	127	97	102	99	146	169	259	223	156
	Rate (%)	73	80	101	69	70	61	75	60	43	41	76
				a, 0001 000								

Sources: Yearbook of Forest Products, 1972-1982 (FAO)

									·		(Unit: 1,000	(TM 0(
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	Export *1	419	432	600	464	580	633	570	540	444	424	295
	Produc.	526	507	734	516	609	574	462	407	407	430	281
	Rate (%)	80	85	82	90	95	110	123	133	109	99	105
U.S.A.	Export	205	266	260	223	166	176	173	199	292	247	190
	Produc.	1,658	1,642	1,637	1,446	1.450	1.447	1,296	1,238	1,323	1,272	1,126
	Rate (X)	12	16	16	15	11	12	13	16	22	19	17
Finland	Export	230	253	201	133	201.	170	156	167	192	166	124
	Produc.	479	483	452	380	433	350	300	334	372	347	231
	Rate (%)	48	52	44	35	45	49	52	50	52	48	54
France	Export	39	64	67	36	66	64	66	81	74	79	64
	Produc.	161	152	188	170	156	180	200	180	256	220	220
	Rate (%)	24	42	36	21	42	36	33	45	29	36	29
W.Germany	y Export	66	91	67	61	85	81	66	76	72	69	65
	Produc.	494	519	559	506	553	574	518	580	606	564	564
	Rate (X)	13	18	12	12	15	14	13	13	12	12	12
Norway	Export	210	219	214	142	147	111	79	56	42	31	24
	Prodeuc.	355	308	300	239	283	224	168	168	142	101	95
	Rate (%)	59	71	71	59	52	50	47	33	30	31	25
Sweden	Export	512	677	614	301	313	346	405	303	236	209	168
	Produc.	761	893	881	669	696	529	635	613	531	480	433
	Rate (%)	67	76	78	45	45	65	64	49	44	44	39
Austria	Export	71	71	98	97	125	105	133	166	190	200	183
	Produc.	376	396	424	398	434	437	435	521	516	492	496
	Rate (%)	19	18	23	24	29	24	31	32	37	41	37
Switzer- land	Export Produc. Rate (%)	8 38 21	10 49 20	12 49 24	9 42 21	8 41 20	16 40 40	13 40 33	29 90 32	24 93 26	24 90 27	25 90 28
Sources: Note: *]	Yearbook of Pores 1 Sources: Foreign	, LL	t Products, 1972-1982 (FAO) Trade Statistics of Canada,	1972-1982 stics of Ca	(FAO) anada, 1972-1982	1982					- -	

Rates of Export/Production of Bleached Sulphite Pulp in Major Exporting Countries (1972-1982) Table All-6-4

								3 	> 		(Unit: I, I	(1M, 000
		1972	1973	1974	1975 I	1976	1977	1978	1979	1980	1981	1982
U.S.A.	Import	324	334	310	154	226	222	181	152	130	150	120
	Consump.	16,395	16,748	16,347	14,006	16,256	16,852	17,066	17,952	18,117	17,815	16,514
	Rate (%)	2	2	2	1	1	1	1	1	1	1	1
France	Import	137	180	165	100	129	105	122	129	169	94	80
	Consump.	559	632	621	563	562	559	569	564	555	531	483
	Rate (%)	25	28	27	18	23	19	21	23	30	18	17
W, Germany	Import	136	137	161	94	100	89	104	91	001	68	62
	Consump.	136	137	161	94	100	89	104	91	79	68	62
	Rate (%)	100	100	100	100	100	100	108	100	100	108	100
Italy	Import	188	281	222	133	195	150	166	168	157	111	82
	Consump.	202	297	243	144	207	156	173	170	157	111	82
	Rate (%)	93	95	91	92	94	96	96	99	160	100	100
Norway	Import	115	194	134	184	137	126	149	208	172	167	145
	Consump.	236	330	285	315	288	273	291	357	327	334	291
	Rate (%)	49	59	47	58	48	46	51	58	53	50	50
U.K.	Import	150	167	167	137	116	102	105	98	93	97	63
	Consump.	150	167	167	137	116	102	105	98	91	89	55
	Rate (%)	100	100	100	100	100	100	100	100	102	109	115
Japan	Import	87	114	128	67	71	105	155	71	108	34	46
	Consump.	2,253	2,627	2,719	2,236	2,499	2,528	2,502	2,534	2.423	1,876	1,910
	Rate (%)	4	4	5	3	3	4	6	3	4	2	2
S.Korea	Import	75	85	95	70	107	130	139	136	146	159	138
	Consump.	80	94	88	74	111	137	139	136	146	159	138
	Rate (%)	94	94	95	95	96	95	100	100	100	100	100
Turkey	Import Consump. Rate (%)	3 g v	13 18 18	11 90 12	7 84 8	3 62 5	8 8 8 7 4	37 0	6 92 7	4 46 9	17 58 29	33 74 45
Australia	Import	83	101	108	122	109	120	93	94	103	115	108
	Consump.	155	162	202	207	189	170	146	150	165	175	167
	Rate (%)	54	62	53	59	58	71	64	63	62	66	65
Sources:	Yearbook of Fores	<u>د</u> م	Products, 1	1972-1982 (	(FAO)		-					

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Rates of Export/Production of Unbleached Sulphate Pulp in Major Exporting Countries (1972-1982) Table AII-6-6

									•		(Unit: 1,6	1,000 MT)	
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
Canada	Export Produc. Rate (%)	377 1.648 23	448 1,933 23	371 1,951 19	331 1,314 25	262 1,563 17	295 1, 635 18	243 1,649 15	241 1,690 14	210 1,690 12	287 1,790 16	231 1, 379 17	
U.S.A.	Export Produc. Rate (%)	70 16,141 0	65 16,479 0	142 16,179 1	90 13,942 1	103 16,133 1	104 16,734 1	69 16,954 0	94 17,894 1	103 18,090 1	92 17,757 1	90 16,484 1	
Brazil	Export Produc. Rate (%)	123 267 46	173 315 55	128 422 30	145 472 31	127 520 24	73 588 12	131 728 18	131 525 25	120 772 16	182 751 24	777 777 10	
Chile	Export Produc. Rate (%)	060	0 0 0 0	120	52 112 46	69 131 53	163 190 86	202 233 87	205 243 84	198 299 66	*1 209 *1 295 71	*1 263 *1 263 89	
Finland	Export Produc. Rate (%)	265 1,249 21	208 1,289 16	164 1,259 13	125 971 13	160 1,009 16	158 869 18	149 1,015 15	204 1,165 18	187 1,087 17	139 973 14	92 849 11	
Sweden	Export Produc. Rate (%)	539 2,274 24	819 2,489 33	724 2,526 29	446 2,078 21	379 2,149 18	447 1,992 22	537 2, 273 24	470 2,372 20	376 2,279 16	278 2,183 13	272 1,953 14	
Austria	Export Produc. Rate (%)	26 157 17	18 165 11	11 208 5	16 200 8	17 210 8	20 223 9	43 248 17	61 281 22	51 275 19	48 282 17	39 281 14	
Por tugal	Export Produc. Rate (X)	139 139 67	107 136 79	75 202 37	30 182 16	73 178 41	46 199 23	29 233 12	57 268 21	74 107 69	36 121 30	36 121 38	
S.Africa	Export Produc. Rate (X)	115 190 61	134 200 67	134 176 76	134 155 86	142 142 100	181 181 100	215 215 100	230 255 90	169 255 66	58 255 23	58 255 23	
Swaziland Export Produc Rate (	l Export Produc. Rate (%)	0 125 0	136 136 0	0 143 0	90 143 63	180 180 100	123 152 81	150 155 97	161 161 100	156 156 100	157 157 100	157 157 100	
New Zea- land	Export Produc, Rate (%)	99 229 43	126 334 38	146 346 42	148 341 43	153 367 42	151 374 40	167 375 45	158 370 43	152 322 47	173 359 48	134 349 38	
Sources: Note: *1	Yearbook of Fores See notes of Tab		Products.	1972-1982 (	(FAO)	-							

Table AII-6-7	2-9-11	RATES OF IN	IMPORT/APPARENT CONSUMPTION	RENT CONSUL	MPTION OF	OF BLEACHED SI	SULPHATE PULP	CP IN MAJOR	A IMPORTING	IN MAJOR IMPORTING COUNTRIES	(1972-1982)	(1) (2)
											(Unit: 1,	(1,000 HT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	Import Consump, Rate (%)	69 1,439 5	39 1,682 2	33 1,668 2	41 1,581 3	42 1,950 2	24 2,171 1	31 1,766 2	100 2,297 4	84 1,958 4	2,321	86 1,876 5
U.S.A.	Import	2,269	2,482	2,494	2,029	2,423	2,474	2,670	2,869	2,762	2,765	2.576
	Consump.	14.123	14,865	15,055	13,211	14,738	15,258	16,782	17,506	17,726	18,719	18.271
	Rate (%)	16	17	17	15	16	16	16	16	16	15	14
Argentina Import	Import	47	70	69	54	38	57	79	85	75	95	104
Consum	Consump.	99	125	137	121	38	107	148	181	128	129	156
Rate (5	Rate (%)	47	56	50	45	38	53	53	47	59	74	67
Belux	Import	182	229	249	187	174	161	175	207	199	199	199
	Consump.	227	236	294	248	194	210	190	245	249	249	249
	Rate (%)	80	97	85	75	90	77	92	84	80	80	80
Denmark	Import	40	43	47	31	36	36	61	76	68	68	78
	Consump.	40	43	47	31	36	36	61	76	68	68	78
	Rate (%)	100	100	100	100	100	100	100	100	100	100	100
France	Import	762	836	931	716	878	878	1,114	1,195	1,264	1, 319	1, 135
	Cosnump.	1,128	1,153	1,341	1.141	1,269	1,373	1,590	1,627	1,653	1, 763	1, 648
	Rate (%)	68	73	69	63	69	64	70	73	76	75	69
H.Germany Import	Import	1,164	1,294	1,353	1,098	1,385	1,435	1.647	1,780	$\begin{array}{c} 1.938 \\ 1.932 \\ 1.932 \\ 100 \end{array}$	1,957	1,950
Consum	Consump.	1,164	1,294	1,353	1,098	1,385	1,435	1.647	1,773		1,957	1,944
Rate (	Rate (%)	1,164	100	1,353	100	100	1,435	1.647	100		100	100
Italy	Import Consump. Rate (%)	629 708 89	650 733 89	677 766 88	530 594 89	724 783 92	716 756 95	1,001 1,068 94	$1, 119 \\ 1, 136 \\ 99$	$1,177\\1,177\\1,177\\100$	1, 040 1, 040 100	907 907 100
Nether.	Import	348	398	406	344	383	381	453	476	474	451	406
	Consump.	346	396	403	341	377	377	452	470	472	448	405
	Rate (%)	101	101	101	101	102	101	100	101	100	101	100
U.K.	Import Consump. Rate (%)	$1,123 \\ 1,123 \\ 1,120 \\ 100$	1,076 1,076 100	$1,139\\1,139\\1,139\\100$	1,004 1,004 100	1,166 1,166 100	1,128 1,125 100	1,179 1,175 100	1,220 1,219 100	1, 099 1, 091 101	1,105 1,103 100	866 864 100
Austria	Impert	63	94	109	93	57	94	97	91	119	136	144
	Consump.	71	100	114	96	103	100	102	97	123	140	150
	Rate (%)	89	94	96	96	94	94	95	94	97	97	96

RATES OF IMPORT/APPARENT CONSUMPTION OF BLEACHED SULPHATE PULP IN MAJOR IMPORTING COUNTRIES (1972-1982) (2) Table AII-6-7

S.Africa Import Consump. Rate (%) Japan Import Rate (%)		1973									
S.Africa Import Consums Rate (A Japan Import Consums Rate ((			1974	1975	1976	1977	1978	1979	1980	1981	1982
	000	76 155 49	64 157 41	54 130 42	100 185 54	108 181 60	113 182 62	113 205 55	186 276 67	168 263 64	168 263 64
	3,581 ) 3,581	601 3,946 15	777 3,971 20	547 3,487 16	554 3,934 14	507 3,905 13	4,505 21 21	1,046 5,085 21	1,326 5,431 24	1,046 4,868 21	1,102 5,250 21
S.Korea Import Consump. Rate (%)	213 213 213	152 152 100	111 111 100	94 94 100	123 123 100	163 163 100	237 237 100	231 231 231 100	241 271 89	271 340 80	226 334 68
Thailand Import Consump. Rate (%)	16 16 100	21 21 100		10 100 100	28 28 100	54 54 100	57 57 100	73 73 100	44 44 100	75 75 100	59 59 100
Australia Import Consump. Rate (%)	92 178 52	132 218 61	144 190 76	122 168 73	90 135 67	122 225 54	116 219 53	151 253 60	140 249 56	144 261 55	125 231 54

Sources: Yearbookof Forest Products, 1972-1982 (FAO)

Rates of Export/Production of Bleached Sulphate Pulp in Major Exporting Countries (1972-1982)(1) Table AII-6-8

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											(Unit: 1.(	1,000 MT)
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	Export	4, 148	4, 503	4.871	3.542	4,414	4, 373	5,302	5,284	5,985	5, 065	5,046
	Produc.	5, 518	6, 146	6.506	5,082	6,322	6, 520	7,037	7,481	7,859	7, 312	6,836
	Rate (%)	75	73	75	70	70	67	75	71	76	69	74
U.S.A.	Export	1,045	1,117	1,389	1,377	1,288	1,332	1,355	1,578	2,263	2,254	2,196
	Produc.	12,899	13,500	13,950	12,559	13,603	14,116	15,467	16,215	17,227	18,208	17,891
	Rate (%)	8	8	10	11	9	9	9	10	13	12	12
Brazil	Export Produc. Rale (X)	318 318 2	14 376 4	417 417	370 2	2012 2012 2012	19 654 3	133 903 15	446 1,078 41	766 1,585 48	762 1,542 49	735 1,595 46
Chi le	Export	1	0	180	122	165	175	235	226	217	*1 201	227
	Produc.	139	138	180	199	244	269	283	308	315	*1 307	*1 307
	Rate (%)	0	0	0	61	68	65	83	73	69	65	74
Belux	Export	114	162	137	67	132	133	151	150	141	141	141
	Produc.	159	169	182	128	152	182	166	188	191	191	191
	Rate (%)	72	96	75	52	87	73	91	80	74	74	74
Finland	Export	654	708	554	384	451	598	943	1,170	1,260	1,113	1,003
	Produc.	1,488	1,563	1,527	1,306	1,461	1,576	2,094	2,574	2,709	2,819	2,638
	Rate (%)	44	45	36	29	31	38	45	45	47	39	38
France	Export	104	180	101	39	91	91	100	105	91	66	81
	Produc.	470	497	511	464	482	586	576	537	480	510	594
	Rate (%)	22	36	20	8	19	16	17	20	19	13	14
Norway	Export Produc. Rate (%)	33 80 41	128 85 151	65 150 43	71 175 41	96 190 51	100 120 83	162 61 266	133 18 739	117 3,900	168 158 106	179 167 107
Sweden	Export Produc. Rate (X)	1, 181 2, 421 49	2,172 2,875 76	2,177 2,947 74	1,893 2,822 67	1,985 2,883 69	1,821 2,688 68	2,183 2,945 74	2,002 3,168 63	$\begin{array}{c} 1,858\\ 3,039\\ 60\end{array}$	1, 919 3, 252 59	1,615 2,914 55
Por tugal	Export	301	284	258	175	222	204	188	195	252	333	333
	Produc.	367	326	316	298	219	229	279	340	437	456	456
	Rate (%)	98	87	82	59	101	89	67	57	58	73	73
Spain	Export	14	41	40	41	51	51	79	91	132	133	133
	Produc.	234	287	337	408	471	537	565	540	621	686	694
	Rate (%)	6	14	12	10	11	9	14	17	21	19	19

Rates of Export/Production of Bleached Sulphate Pulp in Major Exporting Countries (1972-1982) (2) Table AII-6-8 (Unit: 1,000 MT)

											100 1111 1,000 717	111 00
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Morocco	Export Produc, Rate (%)	3, 0	9 6 9 0	47 50 94	31 58 33 8	42 42 100	33 55 60	49 66 74	63 82 77	0 8 8 9 8 8 9 8 8	59 75 79	56 80 70
Japan	Export Produc. Rate (%)	$31 \\ 3,222 \\ 1 \\ 1$	39 3,384 1	171 3,365 5	119 3,059 4	$   \begin{array}{c}     128 \\     3,508 \\     4   \end{array} $	3, 550 4	90 3,670 2	4,132 2	4,195 4	3,913 2,913 2	61 4,209 1
New Zea- land	New Zea- Export land Produc. Rate (%)	104 0.400	122	14 148 9	40 203 20	57 193 30	59 220 27	63 215 29	73 193 38	64 218 29	72 260 28	229 30 30
Sources:	Sources: Yearbook of Forest Products, 1971-1982 (FAO)	f Forest F	products.	1971-1982	(FAO)							

Sources: Yearbook of Forest Products, 1971-1982 (F

Annex II-7

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## PRODUCTO BRUTO INTERNO AL COSTO DE FACTORES, SEGUN SECTOR ECONOMICO DE ORIGEN

PRODUCTO BRUTO INTERNO AL COSTO DE FACTORES, SEGUN SECTOR ECONOMICO DE ORIGEN (EN MILLONESDE NUEVOS PESOS CORRIENTES) Table AII-7-1

	1973	1974	1975	1976	1977	1978	6261	1980	1981	1982	1983
AGROPECUARIO	427	658	844	1,190	2,156	2,865	5,841	8,644	9,641	9,431	18,322
PESCA Y CAZAMARITIMA	<b>6</b> 2	ო	r	16	36	81	179	216	346	410	
INDUSTRIAS MANUFACTURERAS	488	947	1,756	2,658	4, 132	6, 363	13,603	20,603	24,152	22,845	35,837
ELECTRICIDAD GAS Y AGUA	- 41	83	145	215	249	366	562	1,125	1,774	2,170	3,780
CONSTRUCCION	81	155	336	504	725	1,326	2,544	4,182	5, 565	5,815	6,278
COMERIO	313	582	1,098	1,700	2,940	4,359	8,503	12, 273	15,436	13,860	21,944
TRANSPORTE Y ALMACENAMIENTO	142	266	475	726	1,080	1,531	2,710	4,644	6,325	6,704	9,690
COMUNICACIONES	21	53	67	68	115	178	283	439	657	852	1,468
BANCOS, SEG. Y OTROS INTER. FIN.	- 87	146	328	552	745	1,363	2,471	4,021	5, 589	7,196	11,661
PROPIEDAD DE VIVIENDA	58	119	320	550	946	1,789	2,833	5,360	9.456	13,350	16,576
SERVICIOS DEL GORIERNO GENERAL	294	555	881	1,364	1,872	2,914	4,856	8,490	12,958	15, 599	18,235
OTROS SECTORES*	253	469	851	1,310	2,149	3,157	5, 373	9,482	13,604	14,950	19,706
P.B.I. AL COSTO DE FACTORES	2,217	4,036	7,108	10,874	17,145						
IMP. INDIR. NETOS DE SUBSIDIOS	344	510	1,058	1,764	2,770	4,638	7,867	12,665	16,550	15,355	22,063
P.B.I. A PRECIOS DE MERCADO	2,561	4,546	8,166	12,638	19,915						

Note: \*; INCLUYE CANTERAS Y MINAS Y SERVICIOS DIVERSOS

PRODUCTO BRUTO INTERNO AL COSTO DE FACTORES, SEGUN SECTOR ECONOMICO DE ORIGEN (EN MILLONES DE NUEVOS PESOS A PRECIOS DE 1978) Table AII-7-2

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
AGROPECUARIO PESCA Y CAZA MARITIMA	2,730 22	2,822 20	2,971 30	3, 019 39	3,102 54	2,865 81	2,816	3,275 133	3, 439 157	3,051 134	3,114
INDUSTRIAS MANUFACTURERAS Electricidad gas y agua	5,122 302	5,230 284	5,561	5,708 324	6, 019 338	6, 363 366	6, 815 379	6,980 408	6,662 430	5,536 435	5,148
CONSTRUCCION COMERCIO	597 3,239	654 3,465	876 3,644	989 3,975	1,0154,063	1,326 4,359	1,490	1,546 5,183	1, 593 5, 327	1,377.4,182	1, 012 3, 689
TRANSPORTE Y ALMACENAMIENTO	1,335 144	1,360	1,412	1,501	1,539 173	1,531	1,695	1,838 203	1,819 206	1,593 218	1,493 231
C PROPIEDAD DE VIVIENDA C OTROS SECTORES*	1,7556,506	1,7446,693	1,7467,041	1,742 7,240	1,764 6,907	1,789 7,434	1,798 7,937	1,830 8,204	1,848 8,692	1,861 8,838	1,874 8,792
P.B.I. AL COSTO DE FACTORES P.8.I. A PRECIOS DE MERCADO	21,752 25,579	22, 415 26, 383	23, 746 27, 930	24, 700 29, 043	24, 974 29, 384	26, 292 30, 930	27,914 32,838	29,600 34,808	30,173 35,469	27,225 32,028	25,954 30,532
Note: *; INCLUYE CANTERAS Y MINAS, BANCOS, SEGUR SERVICIOS DEL GOVIERNO GENERAL Y SERVIC	, BANCOS, ENERAL Y	SEGUROS SERVICIOS	ROS Y OTROS IN SIOS DIVERSOS.	INTERMEDIARIOS FINANCIEROS S.	RIO'S FINA	NCTEROS,					

PRODUCTO BRUTO INTERNO COSTO DE FACTORES SEGUN SECTOR ECONOMICO DE ORIGEN (INDICES DE VOLUMEN FISICO, BASE 1978=100) Table AII-7-3

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
AGROPECUARIO	95.3	98.5	103.7	105.4	108.3	100.0	98.3	114.3	120.0	106.5	108.7
PESCA Y CAZA MARITIMA	27.2	24.7	37.0	48.1	66.7	100.0	144.4	164.2	193.8	165.4	191.4
INDUSTRIAS MANUFACTURERAS	80.5	82.2	87.4	98.7	94.6	100.0	107.1	109.7	104.7	87.0	80.9
ELECTRICIDAD GAS Y AGUA	82.5	17.6	82.8	88.5	92.3	100.0	103.6	111.5	117.5	118.9	121.9
CONSTRUCCION	45.0	49.3	66.1	74.6	76.5	100.0	112.4	116.6	120.1	103.7	76.2
COMERCIO	74.3	79.5	83.6	91.2	93.2	100.0	107.3	118.9	122.2	95.9	84.6
TRANSPORTE Y ALMACENAMIENTO	87.2	88.8	92.2	98.0	100.5	100.0	110.7	120.1	118.8	104.1	97.6
COMUNICACIONES	80.9	80.3	84.8	91.6	97.2	100.0	106.7	114.D	115.7	122.5	129.8
PROPIEDAD DE VIVIENDA	98.1	97.5	97.6	97.4	98.6	100.0	100.5	102.3	103.3	109.5	110.2
OTROS SECTORES*	87.5	90.06	94.7	97.4	92.9	100.0	106.8	110.4	116.9	118.9	118.3
P.B.I. AL COSTO DE FACTORES	82.7	85.3	90.3	93.9	95.0	100.0	106.2	112.6	114.8	103.5	98.6

Note: \*; INCLUYE CANTERAS Y MINAS, BANCOS, SEGUROS Y OTROS INTERMEDIARIOS FINANCIEROS, SERVICIOS DEL GOBIERNO GENERAL Y SERVICIOS DIVERSOS.

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Annex II-8

## COTIZACION DE MONEDAS EXTRANJERAS

Table AII-8-1 COTIZACION DE MONEDAS EXTRANJERAS

(EN NUEVOS PESOS)

I         DOLAR         LS         I         DOLAR         L         TERD ARGENTING (3)         I         CRUZEIRO           1977         PDCN         3.38         3.58         VENDEDOR         CONFRADOR         VENDEDOR         VENDEDOR         VENDEDOR	I DOLAR USA         I DOLAR USA         I DOLAR USA         I PEGO AGGENTINO (3)         I COURTADOR         VENDEDOR         CONFRADOR         VENDEDOR         <			MERCADO DE	CAMBIOS(1)	011	ZACIONE	SINTE	KGPACP	K L H S (BILL	(Z) (IATTIS)
COMPRANDIX         VENDEDOR         COMPRANDIX         COMPRANDIX <thcomprandix< th=""> <thcomprandix< th=""></thcomprandix<></thcomprandix<>	COMPRANDOR         KENDEDOR         COMPRANDOR         VENDEDOR         COMPRANDOR         VENDEDOR         COMPRANDOR         VENDEDOR         COMPRANDOR			1 DOLA	R USA	100 1	AR USA	PESO	(BNT I NO (3)	1 CRU	ZEIRO
PPOM         3.39         3.34         3.58         3.59         3.59         3.59         3.51         3.29         3.29         1.01150         0.101560         0.2714         0.2714           PDOM         4.65         5.39         5.39         5.37         5.39         0.01172         0.2714         0.2714         0.2714           PDOM         5.39         5.39         5.39         5.39         0.01772         0.10772         0.2220         0.2714         0.2147         0.10477 <th>PR0M         330         334         368         359         470         001750         001554         02770         02770           PD0M         667         697         697         539         470         001750         001550         02770         0</th> <th></th> <th></th> <th>COMPRADOR</th> <th>VENDEDOR</th> <th>COMPRADOR</th> <th>VENDEDOR</th> <th>COMPRADOR</th> <th>VENDEDOR</th> <th>COMPRADOR</th> <th>VENDEDOR</th>	PR0M         330         334         368         359         470         001750         001554         02770         02770           PD0M         667         697         697         539         470         001750         001550         02770         0			COMPRADOR	VENDEDOR	COMPRADOR	VENDEDOR	COMPRADOR	VENDEDOR	COMPRADOR	VENDEDOR
DIC         3.54         3.96         3.99         4.00         0.01750         0.01750         0.01760         0.01774         0.01774         0.01774         0.01774         0.01774         0.01774         0.01774         0.01774         0.01774         0.01774         0.02526         0.02714         0.02714         0.02714         0.02724         0.07194         0.07724	PDIC         3.94         3.99         4.00         0.11500         0.2700         0.2200         0.2700         0.2200         0.2700         0.2200         0.2700         0.2200         0.2700         0.2700         0.2200         0.2700         0.2700         0.2200         0.2700         0.2200         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700         0.2700	1976	PROM	3.30	3.34	3.68	3.69	0.01530	0.01554	0.2701	
PROM         4.65         4.68         4.72         4.73         0.0177         0.01781         0.71181         0.7274         0.           PROM         6.05         6.08         7.01         7.01         0.00770         0.00700         0.7288         0.           PROM         6.05         6.08         7.01         7.01         7.01         0.01770         0.01790         0.7274         0.           PROM         6.05         6.08         7.01         7.01         0.01770         0.01790         0.7288         0.           PROM         9.08         9.10         0.00770         0.00790         0.01790         0.7151         0.           PROM         9.10         9.10         0.01770         0.01790         0.10790         0.10793         0.           PROM         11.50         11.50         11.51         11.55         11.55         0.00076         0.10793         0.10779         0.         0.0779         0.           MR         11.50         11.55         11.55         11.55         0.00076         0.10779         0.10779         0.10779         0.10779         0.10779         0.10779         0.10779         0.107729         0.10779         0.10779	PROM         4.65         4.68         4.72         4.73         0.01174         0.01181         0.2774         0.274           PROM         6.05         5.05         6.06         6.07         7.81         0.0077         0.01771         0.2221           PROM         7.63         6.06         6.08         7.31         0.00770         0.00771         0.2221           PROM         7.64         7.85         7.85         7.85         0.00750         0.00720         0.2221         0.2221           PROM         7.81         7.85         7.85         0.00477         0.10172         0.2221         <		DIC	3.94	3.98	3.99	4.03	0.01500	0.01500	0.2700	
DIC         5.38         5.39         5.37         5.38         5.39         5.39         5.37         5.38         5.39         5.39         5.39         5.37         5.38         5.39         5.37         5.38         5.39         5.37         5.38         5.39         5.37         5.38         5.39         5.39         5.39         5.39         5.39         5.39         5.39         5.39         5.39         5.39         5.39         6.36         6.3740         0.         0.         0.3526         0.         0.3526         0.         0.3526         0.         0.3526         0.         0.3526         0.         0.3526         0.         0.3526         0.         0.3576         0.         0.3577         0.         0.3577         0.         0.3577         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.3567         0.         0.	DIC         5.38         5.39         5.37         5.38         0.00930         0.00707         0.2740         0.2740           PROM         7.84         7.85         0.0777         0.0777         0.0777         0.2526         0.2526           PROM         7.84         7.85         7.01         7.01         0.0777         0.0777         0.2526         0.2526           PROM         10.73         11.53         11.53         10.81         9.16         0.1637         0.1677         0.16767         0.16773         0.2526         0.1677           PROM         11.51         11.53         11.53         11.55         10.1074         0.10743         0.1759         0.1759         0.1759           PROM         11.53         11.53         11.55         11.55         0.00174         0.00739         0.1759         0.1759           PROM         11.53         11.55         11.55         11.55         0.00174         0.00739         0.0759         0.0759           PROM         31.85         33.16         33.15         33.15         33.15         0.00174         0.00170         0.0759         0.0759         0.0759           PROM         31.85         33.15         33.	1977	PROM	4.65	4.68	4.72	4.73	0.01174	0.01181	0.2774	0.2779
PROM         6.05         6.06         6.08         7.01         7.01         0.00767         0.00770         0.2828         0.           PROM         7.84         7.88         7.31         7.01         0.00767         0.00760         0.2828         0.           PROM         9.41         8.43         8.39         9.10         0.00760         0.10710         0.2528         0.           PROM         10.73         10.82         11.81         7.81         7.81         0.00757         0.10739         0.1613         0.           PROM         10.73         10.82         11.81         11.81         0.00747         0.00757         0.10793         0.1613         0.           PROM         10.73         11.53         11.55         11.55         11.55         0.00747         0.00749         0.10793         0.10793         0.1677	PROM         6.15         6.16         6.10         6.17         0.10777		DIC	5.38	5.39	5.37	5.38	0.00930	0.00930	0.2740	0.2746
DIC         6.97         6.38         7.01         7.01         7.01         0.00700         0.2668         0.           PROM         1.7.84         7.86         7.01         7.01         7.01         7.01         0.00700         0.2668         0.           PROM         9.08         9.10         9.09         9.01         0.00602         0.00606         0.2556         0.           PROM         9.08         9.10         9.10         0.00737         0.00606         0.2556         0.           PROM         10.79         11.53         11.55         11.55         0.00104         0.0056         0.10473         0.10170         0.2556         0.10766           PROM         117.91         111.91         111.91         111.91         111.91         111.91         111.91         0.00174         0.00166         0.2568         0.10766         0.10776	DIC         6.97         6.38         7.01         7.01         7.01         0.00700         0.00700         0.00700         0.00700         0.00700         0.00700         0.00700         0.00700         0.00700         0.00733         0.00733         0.00733         0.10739         0.11613         0.11613         0.01739         0.01739         0.11333	1978	PROM	6.05	6,06	6.08	6.09	0.00767	0.00772	0.2820	0.2826
PROM         7.84         7.86         7.85         7.85         0.00502         0.2556         0.           PROM         7.84         7.86         7.85         7.85         7.85         0.00520         0.1921         0.           PROM         10.79         11.53         11.53         11.55         0.00437         0.00520         0.1921         0.           DIC         11.50         11.53         11.56         11.51         0.00533         0.00577         0.10739         0.1437         0.01327         0.1654	PROM         7.84         7.85         7.85         7.85         0.06602         0.00606         0.5256         0.           PROM         3.41         8.43         8.43         8.43         9.44         8.43         9.19         0.10437         0.00520         0.16529         0.1652		DIC	6.97	6.98	7.01	7.01	0.00700	0.00700	0.2688	0.2693
DIC         8.41         8.43         8.39         9.10         0.0520         0.10520         0.10520         0.10511         0.10511	DIC         8.41         8.43         8.39         9.10         9.11         0.00520         0.00520         0.10057         0.116177         0.116171         0.116171	1979 .	PROM	7.84	7.86	7.85	7.85	0.00602		0.2526	<b>~</b> ?
PROM         9.08         9.10         9.04         0.0443         0.1613         0.1613           DIC         11.50         11.53         10.493         0.1613         0.1457         0.           DIC         11.50         11.53         11.55         0.00104         0.00199         0.0694         0.1457         0.           JUN         11.50         11.53         11.55         0.00104         0.00199         0.6694         0.           JUN         12.39         12.42         12.43         12.43         0.0025         0.0729         0.         0729         0.           JUN         13.29         13.21         13.15         13.39         13.31         0.00144         0.00149         0.0729         0.0729           MAY         33.53         33.71         33.53         33.73         33.53         0.0037         0.0037         0.0545         0.0743           MAY         33.53         33.71         33.53         33.74         33.53         0.0736         0.0739         0.0739         0.0743         0.0739         0.0739         0.0739         0.0739         0.0739         0.0739         0.0736         0.0739         0.0739         0.0743         0.0739	PPOM         9.08         9.10         9.09         9.10         0.00437         0.1613		DIC	8.41	8.43	8.39	8.39	0.00520		0.1921	-1
DIC         9.92         9.93         9.94         9.94         0.0447         0.04498         0.1497         0.1           RDM         11.51         11.53         11.55         11.55         11.55         0.00153         0.00557         0.1179         0.1           JUN         12.39         11.53         11.55         11.55         11.55         0.00164         0.00157         0.1079         0.1079         0.1079           JUN         12.39         12.42         12.43         12.43         0.00167         0.00127         0.0557         0.1079         0.1079         0.1057         0.1057         0.1057         0.0557         0.10743         0.10557         0.1057         0.0557         0.1057         0.0557         0.10743         0.10557         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10577         0.10575         0.10473         0.10575         0.10473         0.10537         0.10575         0.10473         0.10575         0.10473         0.10577         0.10577         0.10577         0.10577         0.10577         0.10575         0.10473         0.10473         0.10437	DIC         9.02         9.55         9.44         9.54         0.00437         0.00438         0.1437         0.           NRD         11.73         11.53         11.68         11.51         0.00104         0.00109         0.0644         0.           DIC         11.31         11.53         11.66         11.55         0.00104         0.00109         0.0644         0.0644         0.0644         0.0703	1980	PROM	9.08	9.10	9.09	9.10	0.00492	0.00493	0.1613	y and
PROM         10.79         10.82         11.80         11.55	PROM         10.75         11.82         10.81         10.105         10.105         10.1075         0.10757         0.10757         0.10759 </td <td></td> <td>DIC</td> <td>9.92</td> <td>9.95</td> <td>9.94</td> <td>9.94</td> <td>0.00497</td> <td>0.00498</td> <td>0.1497</td> <td>-</td>		DIC	9.92	9.95	9.94	9.94	0.00497	0.00498	0.1497	-
DIC         11.50         11.55         11.55         11.55         11.55         11.55         11.55         0.00104         0.00109         0.0729         0.0729           JUN         12.42         12.42         12.42         12.42         12.42         0.00144         0.00109         0.0704         0.0704           PROM         18.85         13.12         13.15         13.15         13.15         0.0704         0.0704         0.0704         0.0704           PROM         18.85         13.19         13.29         13.19         13.29         0.0704         0.0732         0.	DIC         11.50         11.53         11.55         11.55         11.55         11.55         11.56         0.00109         0.0729         0.0734           JUN         12.39         12.43         12.43         12.43         0.00109         0.0564         0.0744           JUN         12.39         13.12         13.15         11.55         11.55         0.00158         0.0564         0.0744           PROM         13.85         13.12         13.15         12.43         0.00058         0.0564         0.0744           PROM         13.85         13.12         13.15         0.00058         0.00057         0.00057         0.00057         0.0556         0.0744<	1981	PROM	10.79	10.82	10.80	10.81	0.00253	0.00257	0.1079	
MAR         111.91         111.96         11.96         11.96         11.96         0.0107         0.00095         0.0604         0.           SET         133.15         13.12         13.15         12.42         12.43         0.0557         0.         0.0557         0.         0.0557         0.         0.0557         0.         0.0557         0.         0.0557         0.         0.0555         0.         0.0323         0.         0.0555         0.         0.0323         0.         0.0323         0.         0.0323         0.         0.0323         0.         0.0323         0.         0.0323         0.         0.0333         0.         0.0333 </td <td>MAR         11.91         11.94         11.96         11.96         0.00107         0.00019         0.0564         0.           SET         13.09         12.42         12.43         12.43         0.00044         0.00016         0.0764         0.00051         0.0567         0.           RET         13.09         13.191         13.191         13.191         13.393         0.00054         0.0764         0.00056         0.07646         0.07646         0.0764<td></td><td>DIC</td><td>11.50</td><td>11.53</td><td>11.55</td><td>11.55</td><td>0.00104</td><td>0.00109</td><td>0.0729</td><td>0.0739</td></td>	MAR         11.91         11.94         11.96         11.96         0.00107         0.00019         0.0564         0.           SET         13.09         12.42         12.43         12.43         0.00044         0.00016         0.0764         0.00051         0.0567         0.           RET         13.09         13.191         13.191         13.191         13.393         0.00054         0.0764         0.00056         0.07646         0.07646         0.0764 <td></td> <td>DIC</td> <td>11.50</td> <td>11.53</td> <td>11.55</td> <td>11.55</td> <td>0.00104</td> <td>0.00109</td> <td>0.0729</td> <td>0.0739</td>		DIC	11.50	11.53	11.55	11.55	0.00104	0.00109	0.0729	0.0739
JUN         12.39         12.42         12.43         12.43         12.43         10.0027         0.00028         0.0597         0.0542           PROM         13.16         13.15         13.15         13.15         13.15         0.00027         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0437         0.0545         0.0734         0.0734         0.0734         0.0733         0.0437         0.0536         0.0437         0.0536         0.0434         0.0734         0.0536         0.0437         0.0536         0.0434         0.0536         0.0434         0.0536         0.0434         0.0536         0.0434         0.0536         0.0434         0.0536         0.0536         0.0536         0.0434         0.0536         0.0434         0.0536         0.0336         0.0336         0.0336         0.0336         0.0336	JUN         12.39         12.42         12.43         12.43         0.00051         0.00551         0.00551         0.00551         0.00545         0.00053         0.00545         0.00053         0.00545         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00053         0.00551         0.00555         0.00555         0.00555 <td>1982</td> <td>MAR</td> <td>11.91</td> <td>11.94</td> <td>11.96</td> <td>11.96</td> <td>0.00107</td> <td>0.00109</td> <td>0.0604</td> <td><math>\Box</math></td>	1982	MAR	11.91	11.94	11.96	11.96	0.00107	0.00109	0.0604	$\Box$
SET         13.10         13.12         13.15         1	SET         13.12         13.12         13.15         13.12         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.13         13.33         10.00637         0.06637         0.0633         0.0434         0.0734         0.0734         0.0331         0.0535         0.0633         0.0633         0.06636         0.0633         0.0633 </td <td></td> <td>JUN</td> <td>12.39</td> <td>12.42</td> <td>12.43</td> <td>12.43</td> <td>0.00049</td> <td>0.00051</td> <td>0.0597</td> <td></td>		JUN	12.39	12.42	12.43	12.43	0.00049	0.00051	0.0597	
PIC         28.21         22.51         28.25         28.25         28.25         0.00058         0.00046         0.0046	DIC         28.51         28.51         28.57         0.00058         0.00061         0.0545         0.           MAY         31.85         13.91         13.93         32.14         0.00058         0.00057         0.0054         0.           MAY         32.62         32.87         33.59         33.76         33.53         33.76         0.00058         0.00057         0.0554         0.           MAY         32.62         32.87         33.53         33.73         33.53         33.73         0.00057         0.0556         0.0457         0.           JUL         33.62         33.78         33.53         33.73         33.53         0.00057         0.0536         0.0457         0.           JUL         33.61         33.61         33.61         33.71         0.00035         0.00135         0.01437         0.0339           AGO         35.13         35.18         35.16         35.13         35.13         35.13         35.13         35.23         0.0133         0.0339         0.01437         0.0339           AGO         35.11         37.11         37.11         37.12         37.13         37.24         1.65000         0.10330         0.0332         0.0324		SET	13.09	13.12	13.15	13.15	0.00027	0.00028	0.0423	
PROM         13.85         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.91         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         13.93         10.0037         0.0037         0.0437         0.0536         0.0437         0.0536         0.0433         0.0536         0.0433         0.0536         0.0433         0.0536         0.0339         0.0536         0.0339         0.0536         0.0339         0.0536         0.0339         0.0536         0.0339         0.0536         0.0339         0	PROM         13.51         13.51         13.59         13.51         13.59         13.51         13.59         13.51         13.59         13.51         13.59         13.51         10.0033         0.0033         0.0433         0.01330         0.0133         0.01330		DIC	28.21	28.51	28.25	28.57	0.00044	0.00046	0.0/04	
MAR         31.89         32.14         31.98         32.14         0.00034         0.00035         0.00037         0.0556         0.           JUN         32.62         32.87         32.87         32.87         0.00034         0.00037         0.0556         0.           JUN         33.53         33.78         33.59         33.78         33.59         33.80         0.01035         0.01329         0.01339         0.01339         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01339         0.01329         0.01339         0.01339         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329         0.01329	MAR         31.89         32.14         31.93         32.14         31.94         32.16         32.14         31.95         32.14         31.95         32.14         31.95         32.14         31.95         33.75         0.10457         0.10457         0.10457         0.10457         0.10456         0.10457         0.10457         0.10456         0.10456         0.10455         0.10456         0.10555         0.10456         0.10556         0.10456         0.10556         0.10456         0.10355         0.10456         0.10355         0.10456         0.10355         0.10356         0.10356         0.10356         0.10356         0.10356         0.10356         0.10356         0.10356         0.10356         0.10566         0.10566         0.10556		PROM	13.85	13.91	13.90	13.93	0.00058	U.00061	0.0545	•
MAR         33.53         33.78         33.53         33.78         53.54         0.00034         0.00035         0.0494         0.           JUN         32.62         32.87         32.63         33.70         25.87         0.04034         0.00035         0.0494         0.           JUN         32.62         33.65         33.70         25.8100         3.22300         0.0493         0.           JUL         33.62         33.65         33.65         33.70         2.68000         0.0390         0.           AGD         35.13         35.15         33.65         33.70         2.68000         0.0390         0.           SET         36.05         37.19         37.10         2.18300         0.0329         0.           SET         36.05         37.19         37.24         1.74100         1.71800         0.0329         0.           NOV         38.25         37.13         37.24         1.49100         1.74930         0.0324         0.           NOV         38.25         37.24         1.49100         1.74900         0.0324         0.           NOV         38.25         37.24         1.49100         1.74900         0.0324         0. <td>Mair         33.53         33.18         33.53         33.54         0.00034         0.00035         0.0035         0.00036         0.00036</td> <td>983</td> <td>MAR</td> <td>31.89</td> <td>32.14</td> <td>31.98</td> <td>32.14</td> <td>0.00037</td> <td>0,00007</td> <td>0.0100</td> <td>•</td>	Mair         33.53         33.18         33.53         33.54         0.00034         0.00035         0.0035         0.00036         0.00036	983	MAR	31.89	32.14	31.98	32.14	0.00037	0,00007	0.0100	•
JUN         32.16         32.15         32.16         0.0329         0.0339         0.0339         0.03329         0.03324	JUN         32.16         52.31         52.15         52.31         51.16         52.32         61.01         61.0403         61.043         61.043         61.043         61.043         61.043         61.043         61.043 <t< td=""><td></td><td>ABK</td><td>33.53</td><td>33.78</td><td>33.39 29 69</td><td>33.84</td><td>0 00034</td><td>0.00031 0.00035</td><td>0200.U</td><td>•</td></t<>		ABK	33.53	33.78	33.39 29 69	33.84	0 00034	0.00031 0.00035	0200.U	•
JUL         33.62         33.68         33.65         33.70         2.6800         2.6900         0.0399         0.           SET         36.05         35.18         35.18         35.18         35.18         35.18         0.0329         0.         0.0329         0.           SET         36.05         36.10         36.10         36.10         35.15         1.71800         0.0339         0.           SET         36.05         36.10         37.19         37.24         1.71800         0.0339         0.           NOV         38.25         38.30         38.29         37.19         37.24         1.49100         1.71800         0.0339         0.           NOV         38.25         38.30         38.29         37.34         1.65000         0.0334         0.           NOV         38.25         38.30         38.29         37.34         1.66000         0.0334         0.           NOV         38.25         38.39         34.55         1.74100         1.74900         0.0334         0.           PROM         34.56         45.66         1.48900         1.492600         0.0338         0.           PRO         45.66         45.86         1.665	JUL         33.62         33.66         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.76         33.66         33.76         33.67         31.11         37.116         31.110         2.18300         0.0321         0.           SET         36.16         36.10         36.16         36.11         36.15         1.70700         1.71800         0.0311         0.           NOV         38.25         35.10         37.19         37.24         1.49100         1.71800         0.0329         0.           NOV         38.25         38.20         38.29         38.24         42.57         42.73         1.49100         1.74900         0.0324         0.           NOV         38.25         34.54         34.39         35.75         1.48900         1.4466         0.0334         0.           PROM         50.54         50.75         1.01800         1.16900         0.0335         0.         0.355         0.           MAR         50.54         50.75         1.01800         1.16900         0.0353         0.         0.355         0.         0.3532         0. <td></td> <td>NIL.</td> <td>32.16</td> <td>32.32</td> <td>32.15</td> <td>32.31</td> <td>3 18900</td> <td>3.22300</td> <td>0.0403</td> <td></td>		NIL.	32.16	32.32	32.15	32.31	3 18900	3.22300	0.0403	
AGD         35.13         35.18         35.28         2.17100         2.18300         0.0329         0.           SET         36.05         36.10         36.10         36.10         35.13         35.18         35.5         0.0311         0.0329         0.         0.0311         0.           OCT         37.11         37.16         37.19         37.24         1.70700         1.71800         0.0311         0.           NOV         38.25         38.30         38.29         37.19         37.24         1.49100         1.49800         0.0334         0.           NOV         38.25         38.30         38.29         38.34         1.65000         0.0334         0.           NOV         38.25         38.30         34.55         1.74100         1.74900         0.0334         0.           PROM         34.56         45.65         45.86         1.46000         0.0338         0.           PROM         34.56         1.74100         1.74900         0.0338         0.         0.3438         0.           PROM         34.56         45.65         45.86         1.6000         0.0338         0.           PRO         46.74         45.86         1.0	AG0         35.13         35.18         35.18         35.18         35.18         35.18         35.18         35.18         35.18         35.19         0.0329         0.           SET         36.05         36.10         36.10         35.15         1.70700         1.71800         0.0311         0           OCT         37.11         37.16         37.19         37.24         1.49100         1.49800         0.0329         0           NOV         38.25         38.30         38.31         35.15         37.24         1.49100         1.74800         0.0324         0           NOV         38.25         38.30         38.34         1.65000         1.74800         0.0324         0           NOV         38.25         38.30         38.35         38.33         38.35         0         0         0325         0           RIE         45.66         45.78         1.74100         1.74900         0.0338         0         0         0335         0           RIE         45.66         45.75         1.16100         1.14800         0.0338         0         0         0         0         0         0         0         0         0         0         0 <td></td> <td>JUL.</td> <td>33.62</td> <td>33.68</td> <td>33,65</td> <td>33.70</td> <td>2.68000</td> <td>2.69000</td> <td>0.0390</td> <td></td>		JUL.	33.62	33.68	33,65	33.70	2.68000	2.69000	0.0390	
SET         36.05         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         36.10         37.11         37.11         37.16         37.19         37.24         1.70700         1.71800         0.0319         0.           NOV         38.25         38.30         38.29         38.34         1.66000         0.0339         0.           NOV         38.25         38.30         38.29         38.34         1.65000         0.0339         0.           NOV         38.25         38.30         38.29         38.34         1.65000         0.0334         0.           PROM         34.56         42.50         42.55         2.78600         0.0348         0.           PROM         34.54         34.39         34.55         2.78600         0.0348         0.           PROM         34.56         45.65         45.86         1.46290         0.0338         0.           PRO         46.74         46.73         1.01800         1.16900         0.0355         0.           PRN         50.54         51.73         51.73         0.19100	SET       36.16       36.10       36.10       36.10       36.10       36.10       36.10       36.10       36.10       36.10       36.10       36.10       36.10       37.24       1.71800       0.0311       0         OCT       37.11       37.16       37.19       37.24       1.49100       1.49800       0.0334       0         NOV       38.25       38.30       38.29       38.34       1.65000       0.0334       0         NOV       38.25       38.30       38.29       38.34       1.65000       0.0334       0         PROM       34.56       42.50       42.50       42.50       34.55       0       0       0.343       0         PROM       34.38       34.54       34.55       34.55       0       0       0.0348       0         PROM       34.56       45.65       45.86       1.66000       0.0338       0       0       0.343       0         PROM       50.54       50.75       1.01800       1.16000       0.73600       0.0332       0       0       0.3555       0       0       0.3555       0       0       0.3555       0       0       0.3556       0       0       0.35		AGO	35.13	35, 18	35.18	35, 23	2.17100	2.18300	0.0329	
OCT         37.11         37.16         37.19         37.24         1.49100         1.49800         0.0309         0.           NOV         38.25         38.30         38.29         37.19         37.24         1.49100         1.49800         0.0309         0.           NOV         38.25         38.30         38.29         38.34         1.65000         0.0324         0.           PROM         34.56         42.50         42.55         2.78600         0.0348         0.           PROM         34.54         34.39         34.55         2.78600         0.0348         0.           PROM         34.56         45.65         45.86         1.74100         1.74900         0.0348         0.           PROM         34.54         34.39         34.55         2.78600         0.0348         0.           PRO         45.66         45.88         45.74         46.78         0.0358         0.           PRO         50.54         50.75         1.01800         1.02800         0.0355         0.           PAR         51.73         51.48         51.73         51.73         0.93700         0.0355         0.           MAY         53.87         54.12	OCT         37.11         37.16         37.19         37.24         1.49100         1.49800         0.0309         0.           NOV         38.25         38.30         38.29         37.19         37.24         1.49100         1.49800         0.0309         0.           NOV         38.25         38.30         38.29         38.34         1.65000         0.0324         0.           PROM         34.56         42.50         34.55         2.78600         0.0348         0.           PROM         34.56         45.65         45.86         1.46000         0.0338         0.           PROM         34.56         45.65         45.85         1.61600         0.0338         0.           PROM         34.56         51.73         51.48         51.73         0.97300         0.0335         0.           MAR         51.48         51.73         51.48         51.73         0.93700         0.0335         0.           MAR         53.72         53.87         51.48         51.73         0.93700         0.0335         0.           JUN         53.72         53.97         53.73         0.75700         0.74300         0.0332         0.           JUN		SET	36.05	36.10	36.10	36.15	1.70700	1.71800	0.0311	
NOV         38.25         38.30         38.29         38.34         1.65000         1.65000         0.0324         0.           DIC         42.50         42.73         42.50         42.73         1.74900         0.0324         0.           PROM         34.54         34.55         2.78600         1.74900         0.0324         0.           PROM         34.56         45.65         42.50         42.73         1.74100         1.74900         0.0343         0.           PROM         34.56         45.88         45.65         45.86         1.46900         0.0338         0.           FEB         46.76         46.74         46.83         1.16000         1.16900         0.0338         0.           MAR         50.54         50.75         50.75         50.75         0.97300         0.0355         0.           MAR         50.54         51.73         51.48         51.73         51.73         0.97300         0.0353         0.           MAR         53.72         53.97         53.77         0.78600         0.0353         0.           JUN         55.36         55.61         55.37         0.73700         0.74300         0.03532         0. <td>NOV         38.25         38.30         38.29         38.34         1.65000         0.0324         0.           DIC         42.50         42.73         42.50         42.73         1.74900         0.0348         0.           PROM         34.56         42.73         42.50         42.73         1.74100         1.74900         0.0348         0.           PROM         34.56         45.65         45.73         34.55         2.78600         0.0348         0.           FEB         45.65         45.74         46.74         46.83         1.16000         1.16900         0.0358         0.           MAR         50.54         50.72         50.75         50.75         0.97300         0.98200         0.0355         0.           MAR         51.73         51.48         51.73         0.97300         0.98200         0.0355         0.           JUN         53.72         53.87         54.12         53.72         53.97         0.332         0.           JUN         53.72         53.87         54.12         53.72         0.3320         0.0355         0.           JUN         53.72         53.97         53.97         0.7760         0.73700</td> <td></td> <td>0CT</td> <td>37.11</td> <td>37.16</td> <td>37.19</td> <td>37.24</td> <td>1.49100</td> <td>1.49800</td> <td>0.0309</td> <td>0.0310</td>	NOV         38.25         38.30         38.29         38.34         1.65000         0.0324         0.           DIC         42.50         42.73         42.50         42.73         1.74900         0.0348         0.           PROM         34.56         42.73         42.50         42.73         1.74100         1.74900         0.0348         0.           PROM         34.56         45.65         45.73         34.55         2.78600         0.0348         0.           FEB         45.65         45.74         46.74         46.83         1.16000         1.16900         0.0358         0.           MAR         50.54         50.72         50.75         50.75         0.97300         0.98200         0.0355         0.           MAR         51.73         51.48         51.73         0.97300         0.98200         0.0355         0.           JUN         53.72         53.87         54.12         53.72         53.97         0.332         0.           JUN         53.72         53.87         54.12         53.72         0.3320         0.0355         0.           JUN         53.72         53.97         53.97         0.7760         0.73700		0CT	37.11	37.16	37.19	37.24	1.49100	1.49800	0.0309	0.0310
DIC         42.50         42.73         42.50         42.73         1.74100         1.74900         0.0343         0.           PROM         34.56         45.88         45.65         45.86         1.74900         0.0343         0.           FROM         34.56         34.55         2.78600         2.86800         0.0348         0.           FEB         45.65         45.86         1.4600         1.0388         0.           FEB         46.76         45.85         45.74         46.83         1.16000         0.0388         0.           FEB         46.76         46.74         46.83         1.16000         1.16900         0.0388         0.           MAR         50.54         50.78         51.73         51.73         51.73         0.97300         0.9355         0.           MAR         51.73         51.48         51.73         51.48         51.73         0.3553         0.           JUN         53.72         53.97         53.72         53.97         0.73200         0.0332         0.           JUN         55.36         55.61         55.37         55.37         0.73700         0.73300         0.0332         0.           JUN <td>DIC         42.50         42.73         42.50         42.73         42.50         42.73         42.50         42.73         1.74100         1.74900         0.0343         0.           PROM         34.56         45.88         45.65         34.55         2.78600         0.0345         0.           FEB         45.66         45.88         45.65         45.86         1.4600         0.0388         0.           FEB         46.76         46.74         46.83         1.16000         1.16900         0.0358         0.           MAR         50.54         50.75         50.75         1.01800         1.02800         0.0355         0.           MAR         51.73         51.48         51.73         51.73         0.93730         0.0355         0.           JUN         53.72         53.87         54.12         53.72         53.97         0.73700         0.0355         0.           JUN         53.72         53.87         53.47         54.12         53.72         53.97         0.73700         0.0355         0.           JUN         55.36         55.61         0.73700         0.74300         0.0353         0.           JUL         55.36         5</td> <td></td> <td>NON</td> <td>38, 25</td> <td>38.30</td> <td>38.29</td> <td>38.34</td> <td>1.65000</td> <td>1.66000</td> <td>0.0324</td> <td>0.0325</td>	DIC         42.50         42.73         42.50         42.73         42.50         42.73         42.50         42.73         1.74100         1.74900         0.0343         0.           PROM         34.56         45.88         45.65         34.55         2.78600         0.0345         0.           FEB         45.66         45.88         45.65         45.86         1.4600         0.0388         0.           FEB         46.76         46.74         46.83         1.16000         1.16900         0.0358         0.           MAR         50.54         50.75         50.75         1.01800         1.02800         0.0355         0.           MAR         51.73         51.48         51.73         51.73         0.93730         0.0355         0.           JUN         53.72         53.87         54.12         53.72         53.97         0.73700         0.0355         0.           JUN         53.72         53.87         53.47         54.12         53.72         53.97         0.73700         0.0355         0.           JUN         55.36         55.61         0.73700         0.74300         0.0353         0.           JUL         55.36         5		NON	38, 25	38.30	38.29	38.34	1.65000	1.66000	0.0324	0.0325
PROM         34.54         34.39         34.55         2.78600         2.86800         0.0426         0.           ENE         45.66         45.88         45.65         45.86         1.49600         0.0338         0.           FEB         46.76         46.74         46.83         1.16900         1.49600         0.0351         0.           FEB         46.75         50.58         50.75         1.16900         1.16900         0.0351         0.           MAR         50.54         50.58         50.75         10.1800         1.02800         0.0355         0.           MAR         51.73         51.73         51.73         51.73         0.97300         0.0353         0.           MAY         53.87         53.47         54.12         53.87         53.97         0.332         0.           JUN         53.72         53.72         53.77         53.77         0.73600         0.0310         0.0353         0.           JUL         55.36         55.61         55.51         0.73700         0.74300         0.02310         0.02310         0.03510         0.2310         0.03510         0.03510         0.03510         0.03510         0.3510         0.2310 <t< td=""><td>PROM         34.54         34.35         34.55         2.78600         2.86800         0.9426         0.           ENE         45.66         45.88         45.65         45.86         1.49600         0.0388         0.           FEB         46.76         46.85         45.65         45.86         1.16000         1.49600         0.0388         0.           FEB         46.76         46.85         46.74         46.83         1.16000         1.49600         0.0388         0.           MAR         50.54         50.72         50.58         50.75         1.91800         1.16900         0.0355         0.           MAY         51.73         51.48         51.73         0.97300         0.98200         0.0355         0.           JUN         53.72         53.87         54.12         0.73400         0.0332         0.           JUL         55.36         55.61         55.35         55.32         0.57700         0.79400         0.0332         0.           JUL         55.36         55.31         55.32         0.57600         0.6290         0.0290         0.2332         0.           55.36         55.31         0.779400         0.79400         0.0230<td></td><td>DIC</td><td>42.50</td><td>42.73</td><td>42.50</td><td>42.73</td><td>1.74100</td><td>1.74900</td><td>0.0343</td><td>0.0346</td></td></t<>	PROM         34.54         34.35         34.55         2.78600         2.86800         0.9426         0.           ENE         45.66         45.88         45.65         45.86         1.49600         0.0388         0.           FEB         46.76         46.85         45.65         45.86         1.16000         1.49600         0.0388         0.           FEB         46.76         46.85         46.74         46.83         1.16000         1.49600         0.0388         0.           MAR         50.54         50.72         50.58         50.75         1.91800         1.16900         0.0355         0.           MAY         51.73         51.48         51.73         0.97300         0.98200         0.0355         0.           JUN         53.72         53.87         54.12         0.73400         0.0332         0.           JUL         55.36         55.61         55.35         55.32         0.57700         0.79400         0.0332         0.           JUL         55.36         55.31         55.32         0.57600         0.6290         0.0290         0.2332         0.           55.36         55.31         0.779400         0.79400         0.0230 <td></td> <td>DIC</td> <td>42.50</td> <td>42.73</td> <td>42.50</td> <td>42.73</td> <td>1.74100</td> <td>1.74900</td> <td>0.0343</td> <td>0.0346</td>		DIC	42.50	42.73	42.50	42.73	1.74100	1.74900	0.0343	0.0346
ENE         45.66         45.88         45.65         45.86         1.49600         0.0388         0.           FEB         46.76         46.85         46.74         46.83         1.16000         1.49600         0.0388         0.           MAR         50.54         50.72         50.58         50.75         1.01800         1.0351         0.           MAR         50.54         51.72         50.58         50.75         1.01800         1.02800         0.0355         0.           MAY         51.48         51.73         51.73         51.73         0.97300         0.0353         0.           MAY         53.87         54.12         53.87         54.12         0.84900         0.0332         0.           JUN         53.72         53.97         53.97         53.97         0.73600         0.0290         0.0290         0.           JUL         55.36         55.61         0.73700         0.74300         0.0290         0.         0.254         0.           AGC         56.43         56.07         56.32         0.57600         0.6254         0.	ENE         45.66         45.88         45.65         45.86         1.49600         1.49600         0.0388         0.           FEB         46.76         46.85         46.74         46.83         1.16000         1.49600         0.0388         0.           MAR         50.54         50.72         50.58         50.75         1.91800         1.16900         0.0355         0.           MAR         51.73         51.73         51.73         51.73         0.97300         0.9353         0.           MAY         53.87         51.48         51.73         51.73         0.97300         0.0353         0.           JUN         53.72         53.97         53.97         53.97         53.97         0.79400         0.0332         0.           JUL         55.36         55.61         55.61         0.73700         0.79400         0.0230         0.2332         0.           JUL         55.36         55.61         55.61         55.32         0.57700         0.74400         0.0230         0.2332         0.           JUL         55.36         55.32         0.57600         0.79400         0.0230         0.254         0.           AGO         56.13		PROM	34.38	34.54	34.39	34.55	2.78600	2.86800	0.0426	0.0433
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	EB         46.76         46.85         46.74         46.83         1.16900         0.0351         0.           AR         50.54         50.72         50.58         50.75         1.01800         1.02800         0.0355         0.           AR         50.54         51.72         50.58         50.75         1.01800         1.02800         0.0355         0.           AY         53.72         53.72         53.87         54.12         0.97300         0.98200         0.0355         0.           AY         53.72         53.97         53.72         53.97         53.72         53.97         0.73600         0.0353         0.           UL         55.36         55.61         0.73700         0.74400         0.0332         0.           UL         55.36         55.61         0.77600         0.74300         0.0290         0.           56.38         56.97         56.32         0.57600         0.72800         0.0231         0.           56.38         56.43         56.37         55.36         0.57600         0.72800         0.0231         0.           51         55.36         56.07         56.32         0.57600         0.58200         0.0231	1984	ENE	45.66	45.88	45.65	45.86	1.48900	1.49600	0.0388	0.0340
50.54         50.72         50.58         50.75         1.01800         1.02800         0.0355         0           51.48         51.73         51.73         0.97300         0.98200         0.0353         0           51.48         51.73         51.73         0.97300         0.98200         0.0353         0           53.87         54.12         53.87         54.12         0.83900         0.84900         0.0332         0           53.72         53.97         53.72         53.97         53.72         53.97         0.73600         0.7310         0           55.36         55.61         0.77800         0.74300         0.7290         0         0           56.18         56.07         56.32         0.57600         0.58200         0.0254         0	AR         50.54         50.72         50.58         50.75         1.01800         1.02800         0.0355         0           BR         51.48         51.73         51.48         51.73         0.97300         0.98200         0.0353         0           AY         53.87         54.12         53.97         0.97300         0.98200         0.0353         0           AY         53.72         53.97         53.72         53.97         0.73600         0.73400         0.0332         0           UL         55.36         55.61         0.778600         0.73400         0.0230         0         0.234         0           UL         55.36         55.61         0.77800         0.73700         0.0230         0         0.234         0           U         55.36         55.61         0.77400         0.0230         0         0.254         0         0         0         0         0         0.254         0 <t< td=""><td></td><td>FEB .</td><td>46.76</td><td>46.85</td><td>46.74</td><td>46.83</td><td>1.16000</td><td>1.16900</td><td>0.0351</td><td>0.0352</td></t<>		FEB .	46.76	46.85	46.74	46.83	1.16000	1.16900	0.0351	0.0352
51.48         51.48         51.48         51.73         6.97300         0.98200         0.0353         0           53.87         54.12         53.87         54.12         0.88300         0.84900         0.0332         0           53.87         54.12         53.87         54.12         0.78600         0.784900         0.0332         0           53.72         53.97         53.72         53.97         53.72         53.97         0.78600         0.73400         0.0310         0           55.36         55.61         55.61         0.73700         0.74300         0.0290         0           56.18         56.43         56.07         56.32         0.57600         0.58200         0.0254         0	BR         51.48         51.73         51.48         51.73         6.97300         0.98200         0.0353         0           AY         53.87         54.12         53.87         54.12         0.83900         0.84900         0.0353         0           UN         53.72         53.97         53.72         53.97         0.78600         0.79400         0.0332         0           UL         55.36         55.61         0.77600         0.74300         0.0290         0         0           UL         55.36         55.61         0.73700         0.74300         0.0290         0		MAR	50.54	50.72	50.58	50.75	1.01800	1,02800	0.0355	0.0358
53.87         54.12         53.87         54.12         53.87         54.12         0.8390         0.0332         0.           53.72         53.97         53.72         53.97         53.97         53.97         0.73600         0.79400         0.0310         0.           53.72         53.72         53.97         53.97         53.72         53.97         0.73700         0.74300         0.0310         0.           55.36         55.61         55.61         0.73700         0.74300         0.0290         0.           56.18         56.07         56.32         0.57600         0.58200         0.0254         0.	AY         53.87         54.12         53.87         54.12         53.87         54.12         0.83900         0.84900         0.0332         0.           UN         53.72         53.97         53.72         53.97         0.78600         0.79400         0.0310         0.           UL         55.36         55.61         0.77600         0.74300         0.0290         0.           S0         56.18         55.36         55.35         55.36         0.73700         0.0290         0.           S0         56.18         55.36         55.35         55.36         0.74300         0.0290         0.           S0         56.18         55.35         56.32         0.57600         0.58200         0.0254         0.           S1         MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.         0.57600         0.58200         0.0254         0.           (1)         MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.         0.58200         0.0254         0.           (2)         MARCADO FI JUNTO ROND B.C.U DESDE 26 DE NOVIEMBRE DE 1979 INCLUSIVE.         0.0254         0.           (2)         MARCADO FI JUNTO DE JORO - 1 DESCA JUNTO AD FOR DESCO JUNTENSIER         0.582200         0.0254         0. <td></td> <td>ABR</td> <td>51.48</td> <td>51.73</td> <td>51.48</td> <td>51.73</td> <td>0.97300</td> <td>0.98200</td> <td>0.0353</td> <td>0.0358</td>		ABR	51.48	51.73	51.48	51.73	0.97300	0.98200	0.0353	0.0358
53.72         53.72         53.97         53.72         53.97         0.78600         0.79400         0.0310         0.           55.36         55.61         55.61         0.73700         0.74300         0.0290         0.           56.18         56.07         56.32         0.57600         0.6254         0.	UN         53.72         53.97         53.72         53.97         0.78600         0.79400         0.0310         0           UL         55.36         55.61         0.73700         0.74300         0.0290         0           GO         56.18         55.35         55.61         0.73700         0.74300         0.0290         0           GO         56.18         55.61         55.61         0.73700         0.74300         0.0290         0           GO         56.18         56.07         56.32         0.57600         0.58200         0.0254         0           GO         56.18         56.207         56.32         0.57600         0.58200         0.0254         0           (1) MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.         0.0254         0         0         0         0         0         0         0         0.0254         0<		MAY	53.87	54.12	53.87	54.12	0.83900	0.84900	0.0332	0.0337
55.36 55.61 55.36 55.61 0.73700 0.74300 0.0290 0. 56.18 56.43 56.07 56.32 0.57600 0.58200 0.0254 0.	UL 55.36 55.61 55.36 55.61 0.73700 0.74300 0.0290 0. 50 56.18 56.43 55.07 56.32 0.57600 0.58200 0.0254 0. (1) MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE. (2) MERCADO FINANCIERO - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE. (2) MERCADO FINANCIERO - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.		JUN	53.72	53,97	53,72	53.97	0.78600	0.79400	0.0310	0.0314
56.18 56.43 56.07 56.32 0.57600 0.58200 0.0254 0.	50         56.18         56.43         56.07         56.32         0.57600         0.58200         0.0254         0.           (1) MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.         0.0254 D.         0.0252  D.         0.02522 D.         0.02522 D. <td></td> <td>JUL</td> <td>55.36</td> <td>55.61</td> <td>55.36</td> <td>55.61</td> <td>0.73700</td> <td>0.74300</td> <td>0.0290</td> <td>0.0294</td>		JUL	55.36	55.61	55.36	55.61	0.73700	0.74300	0.0290	0.0294
	<ol> <li>MARCADO COMERCIAL - MASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.</li> <li>COTIZACION INTERBANCARIA FONDO B.C.U DESDE 26 DE NOVIEMBRE</li> <li>MERCADO FINANCIERO - HASTA 27 DE NOVIEMBRE DE 1979 INCLUSIVE.</li> <li>MERCADO FINANCIERO - I DESO ADGENTINO-IN ODD PESOS (I EV 18 18</li> </ol>		A60	56.18	56.43	56.07	56.32	0.57600	0.58200	0.0254	0.0258
	READ THAT BE 1082 - 1 DECA ADCENTING 10 AAA DECAS		3	WERCADO FINANCI	ERO - HASTA '	87 DE NOVIEMB:	16191 1970	ъ.	706		
UUTIZAULUN INTERBANGAKIA PUNUU B.U.U UESUB 20 BE NUVLERBKE MERCADO FINANCIERO - BASTA 27 DE NOVLEMBRE DE 1979 INCLUSIVE.	COCH HUNTERNETENDER OCH I VICE HE HUNTEN HUNTEN		) <del>(</del>	DESDE JUNIO DE	1983 - 1 PESI	D ARGENTINO=1	PESOS	(I.EV 18, 188)			

Annex II-9

## INDICES DE PRECIOS, EVOLUCION EN LOS ULTIMOS 12 MESES

Table All-9-1

INDICES DE PRECIOS. EVOLUCION EN LOS ULTIMOS 12 MESES

	:	DEL Consumo *1		AL POR MAYOR PRODUCTOS NACIO *2		AL POR MAYOR DE PROD.IMPORTADOS *1	COSTO DE LA CONSTRUCCION *1
		NIVEL . General	NIVEL General	MANUFACTURADOS	AGROPECUARIOS	NIVEL General	NIVEL GENERAL
1981	AGO	32.7	21.8	27.3	5.7	22.7	35.9
1001	SET	32.7	25.2	29.7	11.9	13.0	33.5
	OCT	30.1	21.8	25.0	12.3	15.0	24.7
	NOV	30.4	19.0	21.5	11.7	9.8	20.3
	DIC	29.4	14.9	18.1	5.2	9.4	21.1
1982	ENE	27.9	14.6	17.0	6.5	22.2	23.0
	FEB	25.4	12.4	14.1	6.5	5.4	13.3
	MAR	22.3	11.9	12.4	10.1	-1.6	12.7
	ABR	21.9	12.2	12.2	12.3	5.8	14.2
	MAY	20.7	12.0	12.1	11.8	-5.1	11.7
	JUN	18.9	14.0	13.4	16.2	0.2	12.8
	JUL	18.6	12.1	12.8	9.5	11.6	7.7
	AGO.	16.3	10.8	11.7	7.6	14.7	8.1
	SET	14.7	9.3	10.2	6.1	21.6	8.9
	OCT	13.5	7.3	9.3	0.9	22.0	9.0
	NOV	11.0	5.4	9.9	~8.6	27.6	9.2
	DIC	20.5	33.5	37.9	17.9	70.0	30.7
1983	ENE	37.7	55.9	55.7	56.8	166.9	41.6
1000	FEB	40.8	57.8	57.6	58.6	114.1	43.7
	MAR	42.9	60.0	59.3	62.6	165.4	45.0
	ABR	46.1	67.4	65.1	76.3	154.2	44.8
	MAY	45.9	69.5	68.9	72.0	144.3	45.8
	JUN	47.2	67.0	67.0	67.1	145.8	44.1
	JUL	46.6	67.7	64.9	78.4	118.9	44.2
	AGO	48.9	73.9	66.7	100.5	121.8	43.6
		40.9 55.1			95.3	119.7	43.0 50.7
	SET		84.1	81.0			
	OCT	61.8	96.3	88.4	124.4	130.7	57.5
	NOV DIC	$\begin{array}{c} 62.8\\51.5\end{array}$	103.0 73.8	91.8 62.9	145.7 118.6	129.4 78.2	56.7 $28.8$
1984	ENE	40.7	60.7	58.1	69.8	17.9	30.9
1004	FEB	42.5		64.6	76,8	62.1	38.1
			67.2			39.8	
	MAR	43.9	67.7	63.1 65.2	84.7		39.9
· .	ABR	44.7	69.6	65.2	84.9	61.1	42.7
	MAY	50.1	74.0	67.3	98.8	60.4	42.7
	JUN	56.2	84.0	77.4		65.3	52.7
	JUL	62.0	87.0	80.9	107.9	69.5	55.4
	AGO	63.4	86.8	84.8	93.2	66.6	· · ·

Notes: \*1 FUENTE - DIRECCION GENERAL DE ESTADISTICA Y CENSOS. \*2 FUENTE - BANCO CENTRAL DEL URUGUAY.

Annex II-10

## NBKP/LBKP EXPORTS BY DESTINATION FROM USA, CANADA AND BRAZIL

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	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada MT Canada MT Mexico MT Guatemala MT Guatemala MT El Salva- MT dor S/T Costa Rica MT	47,038 155.5 2,438 130.4 158.2 158 158.2 186.6	18,529 187.2 111,170 211.6 211.6 250.0 513 206.6	$\begin{array}{c} 12.21\\ 25.17\\ 26.008\\ 264.10\\ 2.136\\ 387.2\\ 1.357\\ 326.5\\ 326.5\end{array}$	8,059 88,059 8,549 371.4 3,934 3,06,0	6,377 389.42 345.5 345.5 392.5 392.5	9,635 425.4 23,718 334.6 2,790 332.6 332.6 335.2 335.2	45,462 345,6 9,015 341,0 2,929 330,8 678 283.2 283.2	57,699 51,699 24,028 427.8 4,217 4,217 407.4 933 481.2 381.8	71,721 416.729 98.749 98.749 416.2 5,03.2 5,03.2 5,03.2 5,03.2 5,03.7 5,02.7 5,12.7 5,12.7 5,12.7 5,12.7 5,12.7 5,12.7 5,12.7 5,03 5,03 5,03 5,03 5,03 5,03 5,03 5,03	58,316 579,941 77,041 431,55 3,592 3,907 451.8 451.8 478.3	69,403 559.7 559.7 108,660 1,68.1 1,68.1 1,64.1 2,704 416.1 894 491.1	70,534 475.24 1110,185 371.9 371.9 375.5 375.5 448.6 448.6
Panama MT Nicaragua MT Jamaica MT Dominica MT Dominica MT Trinidad MT Tobago \$/T	270 145.7 145.7 188.9 269 141.3 94.7 94.7	177 220.3 132 204.5 812 236.5 120 158.3 158.3 277 267.1	295 311.9 112.9 258.1 258.1 699 300.4 300.4 270.6	138 500.0 107 554.2 715.1	150 420.0 420.0 489.8 404 363.9 239 493.7	318 424.5 369 536.6 368.0 368.0 368.0 368.0 514.3	162 432.1 363 487.6 433.2	234 538.5 368 508.2 3,116 314.5 438.2 438.2	309 686.1 586.1 588.9 554 429.6 834 521.6	716.0 716.0 259 633.2 583.9 583.9	594.7 594.7 259 606.2 667 620.7	312 503.2 513.2 512.4 165 478.8 507.2 507.2
Colombia MT Venezuela MT Ecuador %/T Peru MT Chile MT Chile MT	2.715 148.8 16,928 149.3 149.3 117 136.8 138.8 138.8	9,688 169.0 33,823 194.6 84 225.2 5,541 172.2	7,511 344.8 26,861 334.4 352.3 378.3 378.3	3,476 414.3 30,375 391.6 381.5 381.5 505.9 505.9	3,618 419.8 45,607 340.7 259 451.7 1,966 387.6	4,154 370.0 35,787 301.7 805 71.2 71.559 339.9 339.9	2, 111 416.9 32, 456 314.7 1, 877 367.6 40.9	3,526 453.1 453.1 453.1 1,054 384.2 1,984 456.1 1,599 377.1 456.1 171 456.1	3, 150 526.7 72, 201 466.2 1, 705 486.8 2, 290 487.3 487.3 566.1	4,513 576.1 50,802 468.1 2,119 2,119 584.7 1,970 498.0 498.0 498.0 627.3	4,185 55,672 55,672 392.4 1,549 10,03.2 455.9 10,010 455.9 597.6	4,769 470.7 24,726 386.6 5412 5,412 5,412 452.7 452.7 452.7 452.7 450.5 450.5
Brazil MT Uruguay MT Argentina MT Sweden MT Sweden MT Norway MT	8,705 140.8 4,280 151.6 3,118 144.3	5,726 205.4 6,902 217.3 566 174.9	24,716 366.3 3,392 381.5 2,301 2,301 304.2	9,147 398.9 2,157 416.3	3,653 514,6 514,6 508,3 414,5	782 441.2 405 567.9 1,996 1,996 352.2	2,601 529.4 193 632.1 1,533 305.3 1,648 276.7	553 462.9 887 584.0 3,915 371.1	1,993 535.4 3,804 405.1 459.0 459.0	2, 263 586.8 721 883.5 9, 373 564.6 524.7 524.7	279 469.75 463.4 463.4 575.3 501.9 501.9	370 543.2 443 629.8 1.167 528.7 528.7

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BY DESTINATION
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		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Denmark	T/\$				462 404.8			:					
U.K.	\$/T \$	36,041 161.7	18,634 202.6	41.205 307.1	41,908 377.2	34,659 390,5	51,873 363,4	60,952 315.4	76,394 396.6	73, 708 465, 9	78,355 510.3	85,465 460,9	80.193 395.6
Ireland	****	704		187	609	1,784	414	514	616	418	1,290	538 600 A	422
Nether-	AT .	26.279	31,231	35,747	24,909	31,046	42,157	57,955	61,198	64,001	040.4 63,443	50,111	39.745
lands	1/\$	175.8	205.4	348.6	392.1	386.9	365.4	312.1	367.8	466.5	477.0	416.6	382.1
Belux	МТ \$/Т	18,299 159.3	32,808 167.8	14.462 272.6	21.384 341.9	21,005 370.3	30.781 337.9	32,361 293.5	51,363 385.0	99,576 459.5	108.472 502.3	83,122 438.4	97,717 381.3
France	нт	35, 719	39,764	48,763	74,435	74,485	86,506	86,404	106,879	122,970	141,199	145,497	125, 567
		168.1	190.3	327.0	386.1	361.1	350.9	292.9	382.0	463.5	488.4	469.9	405.5
r.uermany		176.8	63, UDS 190.8	309.1	390.1 390.1	307 20(	376.3	327.2	400.4	479.7	515.0	474.3	1 25 017
Italy	Ê	39, 493	46.505	55,571	51,841	64,433	71,899	87,578	117,821	172,069	132,359	111,765	140,245
6-00-5		C.001	1.001	340.2	338.U	310.1	4.100 477 9	010.9 1 007	354.D	5-015 A A 3-1	434.0 ·	434.V 0 050	314.U
מו מברב	±/\$	144.0	168.8	502.1	335.9	385.6	301.1	393.8	434.3	454.0	465.8	418.7	388.6
Indonesia	ΗŤ	373	934	546	920	1.056	3.567	3, 150	6,360	4,367	10,457	14,206	11,474
		152.8	235.5	558.6	426.1	382.6	369.2	292.4	427.2	488.2	435.6	382.7	304.5
China -	Ħ		508		10,138				1,519	25,432	56.234	14,943	6,816
	\$/T		316.9		224.7				414.7	463.2	443.3	319.7	303.7
S.Korea	lh	12,575	16.465	11,167	18,069	7,107	16,813	8,548	23, 581	33, 184	58, 263	41,408	36, 692
.,	\$/T	167.6	242.8	333.8	274.4	309.8	226.8	286.4	413.6	485.4	447.9	377.3	377.7
Japan	LH ¢	73,090	114.135	159,304	123,643	101,31U	118,922	112,173 210 C	140,000	190,038	100,812	120.021	221.420
S Africa	1.74	110.4 91 968	005 VL	220.22	19.853	01 67A	17.145	8 481	18.442	400.656	55,067	401.3	49.860
	\$/T	155.7	165.9	345.6	203.7	288.1	372.9	345.2	442.7	511.8	503.6	456.5	401.2
Other	Ę	92,518	63, 338	71,051	90,861	118,686	114,436	96,155	81,604	149, 771	157,182	157,864	120,532
Countries	\$/1	150.4	190.8	379.4	377.8	323.9	322.9	299.3	405.2	471.5	467.5	424.6	399.3
Total	MT \$/T	519,579 163.6	556,822 196.9	674,867 331.5	620,973 373.2	655,163 362.4	750,077 348.6	782,322 315.0	999.740 1 397.5	1,485,536	1,493,424 1 493.5	1,443,324 452.3	L.444,961 398.6
Sources:	U.S.	Exports, 1	1972-1983										