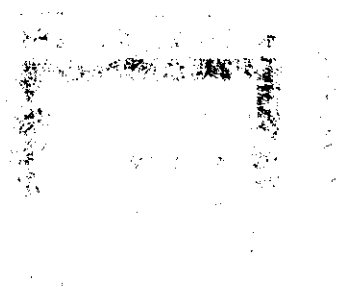


DUTCH AGRICULTURAL EXPORT PERFORMANCE



DUTCH AGRICULTURAL EXPORT PERFORMANCE (1846 - 1926)

drs. Dirk Pilat



**Nederlands Agronomisch-Historisch Instituut
Groningen 1989**

Historia Agriculturae XIX

Published by / uitgegeven door
Nederlands Agronomisch-Historisch Instituut (NAHI),
Oude Kijk in 't Jatstraat 26, 9712 EK Groningen,
tel.050-635949

CIP-gegevens

Pilat, Dirk

Dutch agricultural export performance (1846-1926) / Dirk Pilat.-Groningen, Stichting
Nederlands Agronomisch-Historisch Instituut.-Graf.,Tab.-(Historia Agriculturae,
ISSN 0439-2027;19).-Met lit.opg.
ISBN 90 367 0172 4

Previously published as / eerder verschenen als Research Memorandum nr 296 from the
Institute of Economic Research, Faculty of Economics, University of Groningen.

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Vormgeving omslag: Edward Houting, Groningen.
Zetwerk: Henk Hansen Fotozetterij, Veendam.
Drukwerk: Scholma Druk, Bedum.
Bindwerk: Stronkhorst & Van der Esch, Groningen.

PREFACE

Dutch Agricultural Export Performance is meant to be the first of two volumes on the evolution of Dutch agricultural production over the period 1850-1950. The second, in preparation by M. Knibbe and to appear shortly, will present serial values of national production at both current and constant prices, while also an attempt will be made to provide some estimates of costs and net values added.

Both studies spring from a more broadly based research project on the recent history of productivity and income in Dutch agriculture, initiated at the Institute of Economic Research of Groningen State University. Preliminary results were presented in a paper given by C.J.L. van der Meer and B. van Ark at a workshop on economic growth in Northwestern Europe (Groningen, 1985) and afterwards published in Research Memorandum nr.214 (1987) from the same Institute.

The research of which the present volume is the result, was carried out under the supervision of Prof.dr. Angus Maddison and dr. Cees van der Meer (Faculty of Economics, Groningen). Prof.dr. Jan Luiten van Zanden (Faculty of Economics, 'Vrije' University of Amsterdam) is to be thanked for his careful and critical reading of the final draft.

Drs. P.C.M. Hoppenbrouwers,
Head of the Dutch Institute of
Agricultural History (NAHI).

TABLE OF CONTENTS

I. INTRODUCTION	p. 1
II. DUTCH FOREIGN TRADE STATISTICS, 1800-1950	p. 4
2.1. The development of Dutch trade statistics	p. 4
2.2. De Statistiek van den In-, Uit- en Doorvoer	p. 5
2.3. Other sources on Dutch trade	p. 7
III. THE MEASUREMENT OF AGRICULTURAL EXPORTS	p. 8
3.1. Basic Material and Classification	p. 8
3.2. Quantity Standards	p. 9
3.3. Disguised Transit Trade	p. 9
3.4. Calculation of Quantity Indices	p. 10
3.5. Methodological Appraisal	p. 12
IV. AGRICULTURAL EXPORT PERFORMANCE	p. 18
4.1. Growth of Agricultural Production, 1846-1926	p. 18
4.2. Growth of Agricultural Exports, 1846-1926	p. 15
4.3. Further Analysis	p. 24
V. SUMMARY AND CONCLUSIONS	p. 28
TABLES	
1. Agricultural Exports and Production	p. 3
2. Growth of Agricultural Exports	p. 17
3. Share of Subsectors in Total Agricultural Exports	p. 19
4. Exports per Agricultural Worker	p. 24
5. Comparison with Van Ark's Results	p. 27
FIGURES	
1. Volume of Total Agricultural Exports	p. 16
2. Volume of Exports of Unprocessed Arable Crops	p. 20
3. Volume of Exports of Unprocessed Livestock Products	p. 20
4. Volume of Exports of Unprocessed Horticultural Products	p. 22
5. Volume of Exports of Processed Arable Products	p. 22
6. Volume of Exports of Processed Livestock Products	p. 22

7. Volume of Exports of Processed Horticultural Products	p. 22
8. Agricultural Exports per Capita	p. 25
9. Agricultural Production and Exports	p. 26
10. Share of Exports in Total Production	p. 26
APPENDIX A: METHODOLOGICAL NOTES	p. 31
A.1. Classification of Agricultural Exports	p. 31
A.2. Recalculation of Quantity Standards	p. 34
A.3. Correction for Disguised Transit Trade	p. 35
A.4. Products in Quantity Index	p. 37
A.5. Prices and Price-indices	p. 39
A.6. Analysis of Summary Groups	p. 44
FIGURES	
A.1.1. Exports of Butter and Cheese	p. 33
A.3.1. Trade in Oats, 1846-1916	p. 35
A.5.1. Price Index Unprocessed Arable Crops	p. 40
A.5.2. Price Index Unprocessed Livestock	p. 41
A.5.3. Price Index Processed Arable Products	p. 41
A.5.4. Price Index Processed Livestock Products	p. 42
A.5.5. Price Index Horticulture and Products	p. 42
A.5.6. Price Index Total Agriculture	p. 43
A.6.1. Volume of Exports of All Unprocessed Products	p. 45
A.6.2. Volume of Exports of All Processed Products	p. 45
A.6.3. Volume of Exports of All Arable Crops and Products	p. 46
A.6.4. Volume of Exports of All Livestock and Products	p. 46
A.6.5. Volume of Exports of All Horticulture and Products	p. 47
APPENDIX B: MAIN RESULTS	p. 48
TABLES	
B.1.A. Export Quantity Indices, Unprocessed Arable Crops	p. 50
B.1.B. Export Quantity Indices, Unprocessed Livestock	p. 53
B.1.C. Export Quantity Indices, Unprocessed Horticulture	p. 56
B.1.D. Export Quantity Indices, Processed Arable Products	p. 59
B.1.E. Export Quantity Indices, Processed Livestock Products	p. 62
B.1.F. Export Quantity Indices, Processed Horticultural Products	p. 65
B.2. Export Quantity Indices of Summary Groups	p. 68

B.3. Agricultural Exports at Current Prices	p. 72
B.4. Shares in Total Agricultural Exports	p. 75
B.5. Agricultural Exports per Capita	p. 77
B.6. Agricultural Production and Exports	p. 79
B.7. Export Price Indices, Main Groups	p. 81
APPENDIX C: BASIC PRICES AND QUANTITIES	p. 83
TABLES	
C.1.A. Export Quantities, Unprocessed Arable Crops	p. 84
C.1.B. Export Quantities, Unprocessed Livestock	p. 90
C.1.C. Export Quantities, Unprocessed Horticulture	p. 96
C.1.D. Export Quantities, Processed Arable Products	p. 100
C.1.E. Export Quantities, Processed Livestock Products	p. 104
C.1.F. Export Quantities, Processed Horticultural Products	p. 110
C.2.A. Basic Prices, Unprocessed Arable Crops	p. 112
C.2.B. Basic Prices, Unprocessed Livestock	p. 116
C.2.C. Basic Prices, All Horticultural Products	p. 118
C.2.D. Basic Prices, Processed Arable Products	p. 120
C.2.E. Basic Prices, Processed Livestock Products	p. 122
NOTES	p. 125
BIBLIOGRAPHY	p. 128

I. Introduction*

As Arthur Lewis and other well known authors have noted (1), little hard statistical information is available on the process of economic growth in the Netherlands before the 1920s. This deficiency is especially striking in comparison with other industrial countries. Hardly any information is available on price-movements during the nineteenth century or on the development of foreign trade before 1923. No official series on this topic exist, though there are some rough and unreliable estimates by individual researchers.

For an open economy like the Netherlands, information on exports and imports is of great relevance. The previous lack of such series has been a serious problem in the analysis of Dutch economic growth. Various authors have tried to deal with the problem by making proportionate adjustments to exclude transit trade. Such estimates have no firm rationale and this study estimates disguised transit trade more carefully. It discusses (2) the problems which arise in using Dutch trade statistics, the so called "Statistiek van den In-, Uit- en Doorvoer" (Statistics on Imports, Exports and Transit Trade), henceforth referred to as SIUD, for 1846-1916. Some correction techniques are discussed and are applied to agricultural exports. The agricultural sector is quite important, as in 1923 it accounted for some 40 percent of total Dutch exports (3). Also it is probably the most simple sector to analyse, because of the relative abundance of other sources on this sector. We are particularly interested in this sector because of its relevance for a related research project (4) for estimation of total agricultural production and prices.

The following section considers Dutch foreign trade statistics in the nineteenth and early twentieth century. We discuss the development of foreign trade statistics over time and their shortcomings. Other sources on foreign trade are also taken in account.

In the third section the shortcomings of Dutch foreign trade statistics are analysed and some techniques discussed to calculate quantity indices. These techniques are applied in detail to the agricultural sector. The index-number problem and the various approaches to index-numbers in the measurement of

* The author is indebted to Cees van der Meer for his help and advice at all stages of the research. He also wishes to thank Angus Maddison for his detailed comments on earlier drafts. In earlier stages of the research, advice and help from Geurt Collenteur and Merijn Knibbe also were of great importance.

economic growth are discussed. Our methods and calculations are presented in sufficient detail to make replication or extension to other studies possible.

The fourth section analyses our findings in a long-term perspective. The findings are compared with other studies for this period. Different concepts of agricultural exports are analysed and a comparison is made between our findings and data on production, population and the agricultural workforce. Whereas the first part of this study deals mainly with methodological problems, the second is mainly analytical. The development of Dutch agriculture in the nineteenth and the early twentieth century is considered, as well as the role of foreign trade in this development.

Four phases were defined regarding agricultural export growth:

1. 1846-1875 Rapid growth of agricultural exports, especially of unprocessed products and horticulture. This was caused by a decline in protectionism in neighbouring countries from 1846 onwards, enhanced economic growth in most European countries and improved opportunities for international trade.
2. 1875-1883 Declining export performance, due to a combination of:
 - increased international competition, especially for arable crops and products, from the new grain exporting countries the United States, Argentina and Russia. Also for some livestock products the quality of Dutch products diminished, which caused the loss of some export markets to foreign competitors.
 - stagnating production. The increased foreign competition caused an agricultural crisis in most of Europe. The stagnating production left less scope for exports of domestic surpluses;
 - increased domestic consumption, due to rising per capita incomes;
3. 1883-1914 Rapid growth of exports, especially for processed and horticultural products. The agricultural crisis of the late 1870s caused this substitution from unprocessed to processed and horticultural products. Furthermore, enhanced economic growth in Europe and a strong urbanisation caused a growing market for these processed and horticultural products.
4. 1914-1926 Decline of export performance due to the First World War and rapid recovery afterwards. Exports of processed products remained at a very high level in the first years of the War, due to large German imports.

Horticulture was clearly the strongest growing sector. Its share in total agricultural exports rose from 2 in 1846 to 17 percent in 1926. The role of exports increased over the whole period.

Furthermore, total agricultural exports rose faster than production. This indicates the growing importance of the world market for agricultural products for Dutch agriculture.

Another clear trend in agricultural exports after 1871 was the gradual substitution of unprocessed by processed exports and horticultural products. This development had already started in the early 1870s but was further enhanced by the agricultural crisis in the 1880s. The high level of Dutch agricultural exports in the first years of World War I was remarkable. This was caused by increased exports of processed products (bread, butter, cheese) and horticultural products (especially preserved vegetables) to Germany.

In table 1 some main facts on agricultural production and exports are presented.

Table 1
Agricultural Exports and Production

	Agricultural Production (at current prices, thousand guilders)	Agricultural Exports	Share of Exports (%)	Agricultural Exports per Capita (index, 1860=100)
1846	n.a.	35,810	n.a.	61
1850	n.a.	42,681	n.a.	74
1860	n.a.	86,867	n.a.	100
1870	409,415	145,154	35.5	143
1880	450,332	144,704	32.1	119
1890	426,288	142,851	33.5	138
1900	491,634	200,533	40.8	172
1910	702,638	330,283	47.0	202
1913	808,393	411,423	50.9	228
1920	2,061,342	541,237	26.3	123
1926	1,585,478	631,695	39.8	225

Source: Appendix table B.5 and B.6.

Note: Agricultural production here consists only of unprocessed agricultural products. The exports figures do include processed products as well.
n.a.: not available

The fifth section draws some conclusions on the relevance of our approach and results for further research, the possibilities offered by our method for re-estimation of the series, and the development of agriculture and especially the role of exports in this. In the appendices, detailed information is offered on sources, methods and findings.

II. Dutch Foreign Trade Statistics, 1800-1950

2.1. The Development of Trade Statistics in the Netherlands

Dutch foreign trade statistics over the period 1800-1950 can be divided into three sub-periods. For the first period 1800-1845 we lack any systematic account. Statistics were published for only a few years.

A first source for trade in this period is the data supplied by D'Alphonse (5) for 1802-1809. These like almost all data in this period consist only of trade values. Gogel (6) also supplies data for 1802- 1809 and for 1814-1816. From 1817 onwards the Department of Finance gathered information on trade (7). This was not published and served only as material for policy-making. For 1825-1829 several sources exist, the most official probably being the "Tweede" and "Derde verzameling van Staten uitgegeven door de commissie voor de Statistiek" (8). A comparable source is Drieling (9) who supplies data for 1824-1827. Van Den Bogaerde (10) provides data for 1825-1829. The "Staatscourant" of 12 december 1845 no. 294 publishes data on foreign trade for the years 1843 and 1844. All these sources supply information on consecutive years, Doorman (11) published information on 1808, 1816, 1843 and 1844. All sources named here covered all products in Dutch trade. Other sources deal only with some products and have not been considered in this study.

We conclude regarding our first sub-period, that no systematic account of trade is available. It might be possible to chain the known years into a long-term series and add this series to later periods. The sources for this period only supply information on values, so one needs information on prices to derive indications of volume developments. The most serious problem in this period is probably the union with Belgium in the years 1815-1830. An index on that period is therefore not possible, without making estimates with regard to the shares of the northern and southern part of the Netherlands in total trade as well as internal trade between the northern and southern Netherlands.

The second period 1846-1916, starts with the appearance of the official "Statistiek van den Handel en de Scheepvaart van het Koninkrijk der Nederlanden" (Statistics on Trade and Shipping on the Kingdom of the Netherlands), replaced in 1877 by the earlier named SIUD. By Royal Decision on the third of november 1847 no. 64 (12) permission was granted for the publication of public trade statistics on the year 1846. These statistics appeared thereafter on a yearly base. SIUD provides tables on:

- Algemene Invoer (All imports, including transit trade)
- Algemene Uitvoer (All exports, including transit trade)
- Invoer tot Verbruik (Imports, excluding transit trade)
- Uitvoer uit het Vrije Verkeer (Exports, excluding transit trade)
- Doorvoer met overlading (Transit trade, including transshipment)
- Doorvoer zonder overlading (Transit trade, excluding transshipment)

There are also some tables on shipping and information on trade with various countries included in the statistics (13).

From these tables only those on "Invoer tot verbruik" and "Uitvoer uit het vrije verkeer" are important for our purpose. These supply price, quantity and value information excluding transit trade and are therefore most pertinent for the analysis of economic growth within the Netherlands. At first glance, these seem to offer a good scope for the estimation of Dutch foreign trade figures. Further analysis, however, shows some serious problems.

The third period starts in 1917 when SIUD became the "Jaarstatistiek van de In-, Uit- en Doorvoer" (Annual Statistics on Import, Export and Transit Trade). The classification here shows industry of origin or destination. Current values and actual quantities are given, from which unit values can be calculated. The Dutch Central Bureau of Statistics (CBS) used these statistics without serious problems to construct series for the period 1921-1939 (14).

2.2. De Statistiek van den In-, Uit en Doorvoer

The main source for the period after 1846 is SIUD. These have some serious shortcomings (15):

A. Mistakes in the basic material

The basic material, supplied by the customs department, was not always reliable, for the following reasons (16):

- a. Lack of control by and the low qualifications of the responsible officials.

- b. Fraud by importers or exporters on the reported values of products which are stated in SIUD in terms of value. If the responsible department suspected this was the case, it was possible to raise the stated value by 10 %. Unfortunately the official usually could not make a proper estimate of actual values.
- c. There is a serious possibility that not all trade was covered in the statistics.

B. Disguised transit trade

Customs formalities offered two possibilities for a trader in case of transit trade:

- 1. Declaration as transit trade
- 2. Declaration of goods first as imports, thereafter as exports when leaving the country.

In the first case the load was sealed to prevent duty free sales. In the second case, the trader was free to do whatever he chose with his load. If the goods were not subject to import duties, the trader usually chose the second option. This led to a great amount of disguised transit trade (17).

C. Lack of product-differentiation

SIUD shows relatively few products. New items (for example, the growing exports of margarine in the nineteenth century) were listed separately only after a long period of time. Margarine was for a long time classified as butter. (18).

D. Unreliable prices

SIUD states most of its products in fixed prices, based on the 1846 or 1871 unit-values (19). The current values of these products are therefore not known. Some products are only stated as values.

E. Classification of products

The SIUD classification is alphabetical and not by industry of origin or destination.

F. Quantities

SIUD worked partly with non-metric quantity standards, especially in the period before 1872.

G. Country of origin or destination

SIUD classifies countries of origin or destination as those of immediate

provenance or delivery. Most products are therefore reported as originally or destined for Belgium, Germany or the UK. This gives an exaggerated weight in foreign trade to these countries.

Several authors have worked with SIUD statistics in spite of these problems. Some of these problems have been dealt with by these authors. The solutions to these shortcomings will be analysed in more detail in the following section.

2.3. Other Sources on Dutch Trade

Because Dutch trade statistics are of poor quality it seems obvious to try other sources. We pointed earlier already to the possibility of comparing Dutch and foreign trade statistics. The problems in this respect are unfortunately greater than already mentioned, because these statistics distinguish other products than SIUD, use other standards for quantities (especially the British trade statistics (20)), while trade and transport margins and exchange rates can also hinder comparison. Foreign trade statistics of other countries are therefore not suitable for analysing trade developments in the Netherlands. In the Netherlands, some other sources on trade exist. These sources deal only with certain regions, products or periods (21). They are therefore not suitable to construct long-term series.

When we want to revalue SIUD with other prices, price sources must be available. Bos (22) revalued his estimations on exports and imports mainly with foreign price series, for example Spiethoff (23) and Sauerbeck. An other possibility are various domestic prices on the same period, for example "Jaarcijfers" (24), in which prices on agricultural products are stated from 1877 onwards, "Bijdragen van het Statistisch Instituut" (25) and "Verslagen over den Landbouw in het jaar" (26). A revaluation of agricultural products in SIUD seems therefore possible. For industrial products hardly any prices are available and revaluation of these products appears therefore to be quite difficult.

Some other official publications on Dutch foreign trade are based on the same sources as SIUD, for example the "Maandstatistiek van den In-, Uit- en Doorvoer" (Monthly Statistics on Imports, Exports and Transit Trade, (27)), which is published from 1864 onwards. Because the same data as in S.I.U.D. are involved here, comparison with this source is of little relevance.

III. The Measurement of Agricultural Exports

3.1. *Basic Material and Classification*

In the previous section we gave an indication of the problems with respect to the measurement of Dutch foreign trade statistics. This section examines some possible solutions with respect to Dutch agricultural exports.

The first shortcoming of SIUD which we noted in the previous section were mistakes in the basic material. The extent of this problem has not become clear from previous studies and one must hope that it has not been too large (28). There is no basis at which estimates of the size of this problem can be made.

A problem which appears is the appropriate definition of an agricultural product. In what way should the line be drawn between agricultural products and those made from agricultural raw materials. We chose to follow the CBS procedure for the period 1921-1939 (29). We therefore classified the agricultural products into six groups, namely processed and unprocessed arable products, processed and unprocessed livestock products and processed and unprocessed horticultural products.

The CBS classification is based on circumstances in a later period. In the period on which the CBS classification is based, the Netherlands was a major exporter of beet-sugar. In the nineteenth century however, the Netherlands exported refined cane-sugar derived from imported raw sugar. Therefore, sugar exports in the earlier period cannot be classified as Dutch agricultural output, except when the sugar was made from indigenous sugar beet production. The same applies to starch and gin, which in the nineteenth century were mainly produced from imported raw materials.

In our period the Netherlands still exported madder, manure and dung. In the period on which the CBS classification is based, such exports had already ceased. Therefore, we added these products to the CBS classification.

Another problem which arises when using the CBS classification is the low degree of product differentiation in SIUD. It is not always possible to classify a product unambiguously. For example, from 1875- 1891 trade in margarine is included with butter. Since we are only interested in trade in real butter

(margarine is mainly derived from imported agricultural products), we had to make our own estimate of trade in butter (30).

This lack of product-differentiation also posed a problem for analysis of horticulture. Before 1905, fresh and dried fruits and vegetables are not separated in the statistics. Therefore, we were only able to calculate quantity-indices for processed and unprocessed horticulture by including dried fruits and vegetables in unprocessed horticulture. This will probably not give great distortions because dried fruits and vegetables are relatively small export products.

Before 1865, raw and unprocessed flax are not separated in SIUD. Although only unprocessed flax should be included in our statistics we could not find a way to separate these products. Therefore we included both in our calculations.

Although fresh and evaporated milk were not separated before 1917, we saw no need to do this, because hardly any milk was exported in that period.

More details on this classification and a complete list of the products we used in our analysis can be found in Appendix A.1.

3.2. Quantity Standards

As mentioned before products in the SIUD are stated in terms of quantities and fixed prices. Some products are only stated in terms of traded value. We recalculated quantities to metric standards by using the known fixed prices. Before 1872 most quantities were stated in hectolitres, their fixed price was therefore also based on hectolitres. After 1872 most quantities were stated in tons, therefore their fixed price was also based on tons. The fixed price per unit however remained the same. Because of this it was possible to calculate exactly the quantity standards used in SIUD. By comparing these standards with those in other studies we found only small differences, except for potatoes. A list of standards can be found in appendix A.2.

3.3. Disguised Transit Trade

From previous studies it appears that this problem can be traced to:

- a. Goods not produced in the Netherlands and which are nevertheless exported according to SIUD, are part of disguised transit trade. For these goods it is possible to calculate import balances to assess real imports. This

is clearly the case for mineral ores and for tropical products.

- b. Goods subject to import duties, were probably not imported and re-exported at a later date (31). Costs for the trader would be too high in this case. Especially consumption goods and refined goods were subject to import duties. Most disguised transit trade therefore consisted of bulk goods, raw materials and intermediate goods. Examples are grains and other unprocessed arable crops. When these are traced, it is possible to calculate import-export balances, which can be used in place of gross traded values.

Unfortunately we can not compare data from SIUD with trade statistics from other countries, because of the problems mentioned above. Comparison with the reported imports from the Netherlands in the foreign trade statistics of Belgium, Germany and the United Kingdom could give some indication of the amount of disguised transit trade in SIUD.

In the agricultural sector the problem of disguised transit trade is most clear with processed and unprocessed arable crops. According to SIUD the Netherlands was a great exporter of grains in the nineteenth century. In some years more arable products were exported than produced (32). For some of these products export balances were calculated and SIUD values were replaced by these balances. Further details and the list of products corrected are given in appendix A.3.

3.4. Calculation of Quantity Indices

Valuations in Dutch foreign trade statistics were based mainly on fixed prices. These were unit values of 1846 or 1871, depending on the year in which the product first appeared by quantity in the statistics. With this information it is possible to calculate Laspeyres quantity indices. These tend to overstate growth, because use of an early base year gives a large weight to new products with a relatively high price. As the production of the new product increases, its price tends to fall (33). The Paasche quantity index uses current price weights. It therefore tends to understate growth. The Fisher "ideal" index is the geometric average of Laspeyres and Paasche indices and offsets the biases of both.

Our basic index, however, remains the Laspeyres quantity index. The base year problem, as described above, can be mitigated when the periods for which the same price weights are used are shortened. The base year for each

sub-period should as much as possible show prices representative for the sub-period. These sub-periods are linked at overlapping years. The whole procedure results in a chained Laspeyres index for the period as a whole at the price level of a reference year.

The main problem now is how to select these sub-periods. The first constraint set by SIUD and the later "Annual Statistics on Imports, Exports and Transit Trade" are the changes in the statistics with respect to product coverage. In 1872, in 1905 and in 1917 major expansions of the product coverage occur. Therefore the periods 1846- 1871, 1872-1904, 1905-1916 and 1917-1926 were chosen beforehand.

In studies by Gerschenkron and Krantz (34) it was suggested that the periodisation should be based mainly on phases of growth and stagnation. In such periods, price conditions would tend to reflect similar movements. In the development of Dutch agricultural exports, the following periods could be distinguished:

1. 1846-1875 Strong growth of exports.
2. 1875-1883 Decline of export performance.
3. 1883-1914 Growing exports.
4. 1914-1926 Serious decline of export performance due to World War I and recovery after the War.

Fortunately, this periodisation is not too different from that dictated by SIUD. In our analysis we therefore adopted the four periods mentioned above, although we had to cut the third period in two parts, namely 1884-1905 and 1905-1913. 1916 is not suitable as an overlapping year, so we linked the periods 1905-1916 and 1917-1926 by calculating 1913-1926 based on the product coverage of 1913 and 1913- 1926 based on the product coverage of 1917-1926. These series were combined by chaining both series in 1913 and taking the arithmetical average.

As base years for each period we chose 1860, 1880, 1900, 1910 and 1925. These years all appear to be quite representative for their sub-period. Both prices and quantities are not exceptional for the sub-period as a whole. By taking this periodisation we could base our index on almost all agricultural products included in SIUD.

For the calculation of Laspeyres quantity indices by the procedures described above, we only have to derive price weights for the base years in

each sub-period. For the calculation of Paasche and Fisher quantity indices we have to revalue SIUD quantities with current prices for more years. This approach is dependent on the existence of reliable prices for the period considered. For the agricultural sector, prices were available, although not for all products. "Verslagen over den Landbouw in het jaar" was the major source. It supplies prices for the whole relevant period from most arable crops, most livestock and butter and cheese. These are mainly average prices of markets in the central part of the Netherlands. From 1869 onwards this price source contains average unit values for most arable crops and livestock products. For processed products our analysis is mainly based on other sources, namely "Jaarcijfers" and "Bijdragen van het Statistisch Instituut". Prices for horticultural products were also derived from "Verslagen ...". Another source of considerable importance to this study was Spiethoff (35), who supplies Hamburg import-prices for the period 1847-1913, which were linked to the available Dutch prices.

Prices are available for only a few processed agricultural products and horticultural products. For the missing prices we estimated proxies using a Paasche price index, based on all available prices in each separate sub-group. This index was linked to the available unit values for 1925 or when these were not available, the unit value for 1846 or 1871. By this procedure we were able to construct prices for all goods for the whole period. For the period after 1916 unit value export prices are available from the trade statistics itself.

Implicit in this approach is the general idea that prices move closely together (36). A price index based on some goods can be applied for a certain period to comparable goods also. In the case of agricultural products this approach does not pose great difficulties, because new products with different price-movements rarely occur.

For some goods SIUD gives only traded values, especially before 1872. These were deflated using the price indices described above, which were also linked to the available unit values of 1871. More details on prices and the calculation of quantity indices can be found in appendix A.5.

From various CBS studies (37) series were available for the period from 1921 onwards for most sub-groups and unprocessed agricultural exports as a whole. These were chained to the series we calculated. The average ratio of the years 1925 and 1926 was taken to link the series. The years 1921-1924 were based on the series we calculated ourselves.

3.5. Methodological Appraisal

The methods described above have some major advantages over previous studies. Dutch trade statistics suffer from serious problems. Our method can fairly well solve most of these problems. The correction for disguised transit trade remains arbitrary, but the balance method we used is probably the best. Also our study is the only one as far as we know, which tries to derive quantity indices for disaggregated groups for the whole period from these corrected figures.

Other studies do not provide indices or even work with uncorrected trade figures (38). Use of uncorrected trade figures makes comparison with later periods quite difficult and overestimates the level of agricultural exports in the nineteenth and early twentieth century. A reliable analysis of growth can also not be expected when uncorrected figures are used. Some studies only show trade balances (39). This implies no export time series in itself are established and a general view on the development of the agricultural sector is not possible. Estimation of disguised transit trade by means of percent-wise corrections is even more arbitrary. Disguised transit trade was most likely affected by changes in import-duties and other circumstances and it should therefore be expected that it was no a stable proportion over time.

Our estimates include all relevant products. We show separate series for the various sub-groups, which has the advantage that a more detailed analysis of agricultural sub-sectors and an analysis of industrialisation in the food-processing industries is possible.

Our method could still be improved a little further. The prices we used are domestic prices, which especially for the early years, are somewhat arbitrary. A comparison with foreign price sources or perhaps foreign trade statistics would be useful as well.

A further possibility would be to compare trade figures for individual products with production. This might also be useful for further analysis of disguised transit trade. This would also make the role of exports in agricultural development be better understood, but the aggregate value of production we used in this study is not sufficiently comparable to exports to allow for such analysis. Reliable price and volume time series, both for production and exports, are necessary for a further analysis of Dutch agriculture in the nineteenth and first part of the twentieth century.

IV Agricultural Export Performance

4.1. Growth of agricultural production 1846-1926

This section analyses agricultural growth during the nineteenth and early twentieth century. The first part discusses agricultural production, where the analysis is mainly based on production of arable crops and livestock, because little information on horticulture is available for this period. The analysis is mainly descriptive, because no long term series for production have been derived as yet (40). The second part of this section gives a detailed analysis of export performance in various agricultural subsectors. In the third part we return to agricultural production from the viewpoint of some quantitative studies.

Most studies of Dutch agriculture divide the country into its coastal and inland regions. Production in the coastal region consists mainly of livestock production while the inland region produces relatively more arable crops. The period considered here can, according to Van Zanden (41), be divided into three sub-periods, namely 1810-1850, 1850-1880 and 1880-1914. The period after 1914 is not considered in his study. This period is heavily affected by the First World War and its aftermath. We are here mainly interested in earlier phases.

The first period, 1810-1850 is characterized by Van Zanden, as one of strong growth in the inland provinces. Van Zanden explains the growth of agricultural production in the inland provinces mainly by increased labour input (42). Major crops were: potatoes, turnips and rye, while sheep-breeding was also a major activity. The coastal regions, mainly producing livestock products, suffered from declining per capita agricultural consumption and a stagnation in urbanisation. Therefore less livestock products could be sold to the cities.

The second period 1850-1880 was one of growth for all regions, mainly due to rising agricultural exports, and from 1865 onwards also due to growing domestic consumption. Van Zanden (43) refers to this period as a growth phase in which specialisation replaces the growth of production by more labour input. The favourable conditions on the world market, due to improved means of transportation, strong economic growth in most European countries and a decline in protectionism, offer scope for Dutch farmers to specialize in livestock products and other products with high income elas-

ticity. In this period prices of most agricultural products rise strongly. Sneller (44) also considers the period 1850-1880 as a very prosperous period for Dutch farmers.

The third period, 1880-1914 starts with a strong price fall. The years 1880-1900 are often referred to as the agricultural crisis. From 1877 onwards growing grain exports from the United States, Russia and Argentina, cause a great fall in prices (45). The fall (46) was especially apparent for food and fodder crops, like wheat, rye, barley and oats. For some arable crops the fall even ended production in the Netherlands. For livestock production prices also fell, but the fall was smaller in this case. Horticulture was only temporarily affected by the price fall. The fall also resulted in very cheap fodder prices for producers of livestock. This may have been a reason for the strong growth of livestock production. The agricultural crisis forced Dutch farmers to specialize further and is characterized by Van Zanden as the "First Green Revolution" (47). Tracy (48) also mentions the response of Dutch agriculture to the agricultural crisis. Most European countries responded with enhanced protection. Only Denmark, the UK and the Netherlands responded by modernisation and specialisation of their agricultural sector.

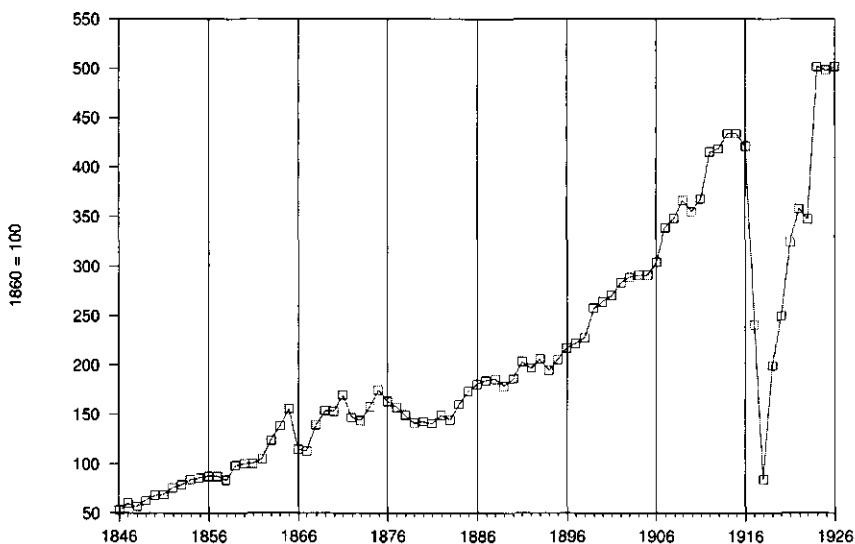
4.2. Growth of exports 1846-1926

Figure 1 identifies four growth phases:

1. *1846-1875* In this period export performance improved. We already mentioned some of the causes such as the decline of protection and improved transportation. The strong growth of demand in most European countries was also important. From 1846 onwards the English market was opened for products from abroad and this was the beginning of a decline in protection in most countries (49).
Van Zanden's opinion on this period (50) is also that a declining consumption of agricultural products in the Netherlands, opened more possibilities for agricultural exports. This cannot be checked from our data. After 1865 export performance became unstable. In 1866 and later in 1873 depressions hit exports. The depression of 1866 was mainly caused by cattle plagues and bad weather, that of 1873 is mainly apparent in livestock exports.
2. *1875-1883* There was a clear fall in agricultural exports in this period. In the late 1870s, an agricultural crisis struck Europe. Some bad harvest years resulted in a stagnating production. At the same time, exceptionally good harvests were made in North America. From the 1850s onwards, grain

exports from North America (as well as Russia and Argentine) had grown steadily. In these countries new territories had opened up, where cheap production was enabled. The improved means of transportation from these territories to the European market, resulted in a growing competition from these countries. When in the late 1870s some European harvests were failures, exports from North America and Russia filled the gap. Exports from European countries themselves therefore faltered. In the Netherlands, some products also witnessed a strong loss of competitiveness, because its quality decreased rapidly relative to its competitors. From 1883 onwards the impact of this crisis was overcome and exports flourished again.

Figure 1
Volume of Total Agricultural Exports
 (Laspeyres quantity index, 1860 = 100)



Source: Table B.2.

3. **1883-1914** This period was again one of strong export growth. In response to the agricultural crisis, the Netherlands concentrated on processed and horticultural products and arable crops like potatoes, sugarbeets and flax. Exports of unprocessed products stagnated. Increasing per capita income

and an increasing urbanisation in surrounding countries also offered more scope for exports of processed and horticultural products.

4. 1914-1926 In the early years of World War I exports remained quite high, because the countries at war imported large amounts of agricultural products. This is particularly evident for processed and horticultural products. The later years of the war saw a serious decline of exports. After the war, exports rose rapidly and exceeded pre-war levels.

Table 2
Growth of Agricultural Exports
(annual average compound growth rate, in %)

Period	Unprocessed			Processed		
	Arable Crops	Livestock	Horticulture	Arable Products	Livestock Products	Horticultural Products
1. 1846-1875	5,73	5,00	6,44	5,23	2,81	2,84
(1846-1865)	9,97	7,22	6,80	6,10	3,42	5,10
(1865-1875)	-1,88	0,91	5,74	3,61	1,65	-1,33
2. 1875-1883	-6,64	-3,28	4,80	5,13	-3,15	-10,53
3. 1883-1914	3,84	0,54	6,81	3,47	4,59	9,62
(1883-1905)	3,80	-0,79	6,67	3,71	4,57	9,18
(1905-1914)	3,95	3,86	7,16	2,89	4,64	10,68
4. 1914-1926	2,55	-1,48	1,84	-0,87	1,71	4,59
(1914-1918)	-44,19	-44,88	-17,31	-41,45	-47,62	55,01
(1918-1926)	39,00	31,72	13,01	28,98	41,74	-14,09
1846-1926	3,22	1,43	5,71	3,60	2,71	4,22
1921-1939	-1,06	6,70	2,24	-2,99	2,70	3,82
1946-1950	6,29	131,32	23,77	86,73	162,23	68,18
1950-1957	3,17	14,70	7,23	n.a.	n.a.	n.a.
1950-1984	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Period	All Arable Crops & Products	All Livestock & Products	All Horticulture & Products	All Unprocess.	All Processed	All Agricultural Products
1. 1846-1875	5,44	3,75	5,99	5,29	3,38	4,23
(1846-1865)	8,19	5,09	6,53	8,00	4,05	5,89
(1865-1875)	0,41	1,25	4,98	0,31	2,11	1,14
2. 1875-1883	-0,61	-3,22	4,12	-3,42	-0,97	-2,34

3. 1883-1914	3,57	3,24	6,93	2,63	4,33	3,61
(1883-1905)	3,64	2,74	6,74	1,77	4,30	3,24
(1905-1914)	3,41	4,47	7,39	4,77	4,41	4,53
4. 1914-1926	0,94	1,12	2,14	0,91	1,38	1,21
(1914-1918)	-42,77	-47,02	-2,94	-31,21	-35,35	33,70
(1918-1926)	34,07	39,70	4,79	22,22	26,96	25,06
1846-1926	3,42	2,44	5,58	2,70	3,00	2,86
1921-1939	n.a.	n.a.	n.a.	2,18	n.a.	n.a.
1946-1950	n.a.	n.a.	n.a.	26,56	n.a.	n.a.
1950-1957	n.a.	n.a.	n.a.	8,80	n.a.	n.a.
1950-1984	n.a.	n.a.	n.a.	5,87	n.a.	n.a.

Source: Derived from tables B.1 and B.2.

Table 2 shows annual compound growth rates for the various sub-sectors. They help to clarify our previous analysis. They also demonstrate why we chose for the former mentioned periodisation. 1846-1875 was clearly a growth phase for all sectors. 1875-1883 shows stagnation or decline in most sectors, except for processed arable crops. The period 1883-1914 was clearly one of rapid growth. We think therefore our periodisation is justified.

A further illustration of our earlier analysis can be found in table 3. We here show the share of all subsectors in total exports.

The share of horticulture rises strongly from about 2% of total exports in 1846 to 17% in 1926. Unprocessed products rise in our first growth phase although we can identify the decline in the years 1865-1866. From 1875 onwards the share of exports of unprocessed products is declining. The share of unprocessed products rises from 42% in 1846 to a peak in 1865 of 59% (and again 59% in 1871) and then declines to 36% in 1926. Processed products decline from 54% in 1846 to 41% in 1865 and then rise again to 64% in 1926. We can therefore see a substitution from unprocessed products to processed products and horticultural products taking place in the period 1871-1926. The share of arable crops and products remains fairly constant over time between 20 and 30% of total exports, livestock and - products are by far the largest sector, although its share declines somewhat due to the rapid expansion of horticulture.

Table 3
Share of Subsectors in Total Agricultural Exports
(benchmark years, at current prices, in %)

	Unprocessed Products			Processed Products		
	Arable Crops	Livestock	Horti-culture	Arable Crops	Livestock	Horti-culture
1846	10,5	30,1	1,8	12,7	44,6	0,3
1850	14,3	30,1	2,0	11,0	42,1	0,4
1855	11,0	33,8	2,3	11,2	41,4	0,4
1860	8,5	31,3	3,3	12,4	44,3	0,2
1865	17,2	40,1	2,0	8,4	32,0	0,3
1870	16,9	32,1	2,8	8,1	39,7	0,3
1875	13,8	42,1	3,3	9,5	31,2	0,2
1880	9,9	37,7	4,6	13,5	34,2	0,1
1885	10,2	33,0	6,6	11,4	38,6	0,2
1890	10,4	33,9	7,0	12,3	36,2	0,1
1895	13,4	17,6	9,6	11,2	48,0	0,2
1900	10,7	11,1	9,2	11,7	56,9	0,3
1905	10,0	16,0	7,9	12,2	53,1	0,7
1910	8,4	15,5	8,6	13,2	53,2	1,0
1913	8,0	14,9	9,1	10,1	57,2	0,8
1918	7,3	9,3	26,2	3,8	18,9	34,6
1920	20,3	5,6	10,7	13,1	46,7	3,6
1926	10,9	9,3	15,7	7,3	55,4	1,5

Source: Table B.4.

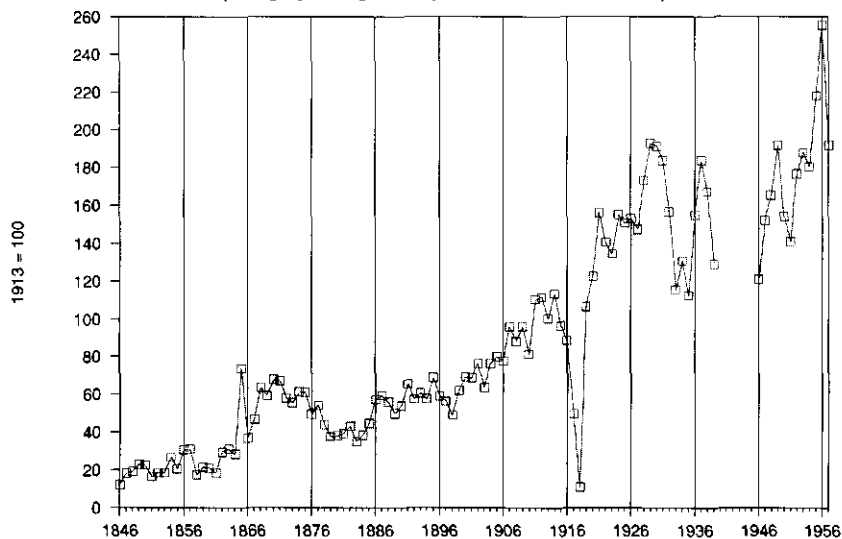
After having identified the major growth phases we will analyse the various sub-groups in further detail.

A. Unprocessed products:

For unprocessed arable crops, the decline of exports started somewhat earlier than for agricultural exports as a whole. From 1870 onwards exports of this sub-group decline. In 1866 a strong depression can be seen in figure 2. The main growth-phase for this group is 1883-1914. The trend during the First World War and the period until 1926 shows the same pattern as for total agriculture. The important products responsible for growth in this sector are: potatoes, sugarbeets and flax.

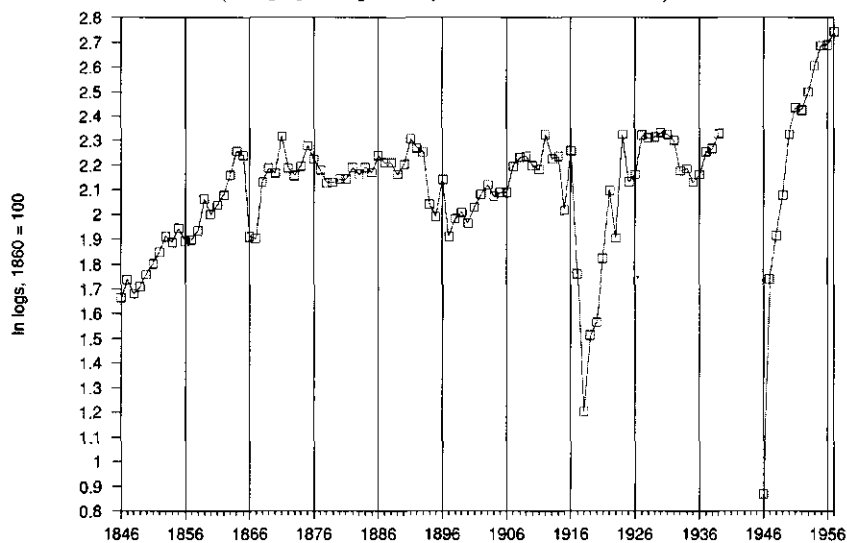
The development of livestock exports is in some respects comparable. Growth is unstable in this sector (figure 3). The main growth in this sector takes place in the period 1846-1875. In 1871 exports reach a maximum. Afterwards periods of decline and growth are visible. The great instability is partly caused by plagues which affected cattle in several European countries

Figure 2
Volume of Exports of Unprocessed Arable Crops
 (Laspeyres quantity index, 1913 = 100)



Source: Table B.1.

Figure 3
Volume of Exports of Unprocessed Livestock Products
 (Laspeyres quantity index, 1860 = 100)



Source: Table B.1.

in 1866 and 1893. Most countries responded by restricting imports of livestock (51). Further expansion in this sector takes place only after World War Two. Products in this group for which exports expanded are: bovine, pigs, sheep and wool.

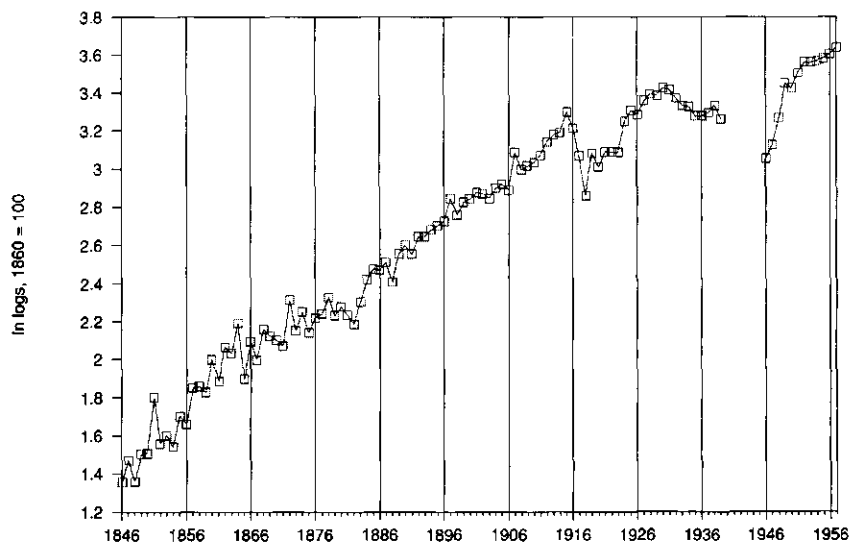
Exports of unprocessed horticultural products (figure 4) expanded most rapidly of all sub-groups over the period 1846-1926. Only the First World War and the Great Depression of the 1930s show a decline in exports. Before 1885 exports were more unstable, probably due to a greater sensitivity to weather conditions.

B. Processed products

Exports of processed arable crops (figure 5) show a constant growth. Even in the general decline of the late 1870s, this sector shows a strong growth. After 1872 export growth accelerates and in 1902 such an acceleration can again be witnessed. Second to horticulture, this subsector shows the highest growth rate over the period 1846-1926. A remarkably high level of exports is apparent in the first years of World War I. This is caused by large exports of bread, beer and potato-starch to Germany. After 1924, exports declined again and only after the Second World War were previous levels surpassed. Main products in this group are: potato-starch, wheat-flour, various processed grain products and beet-sugar.

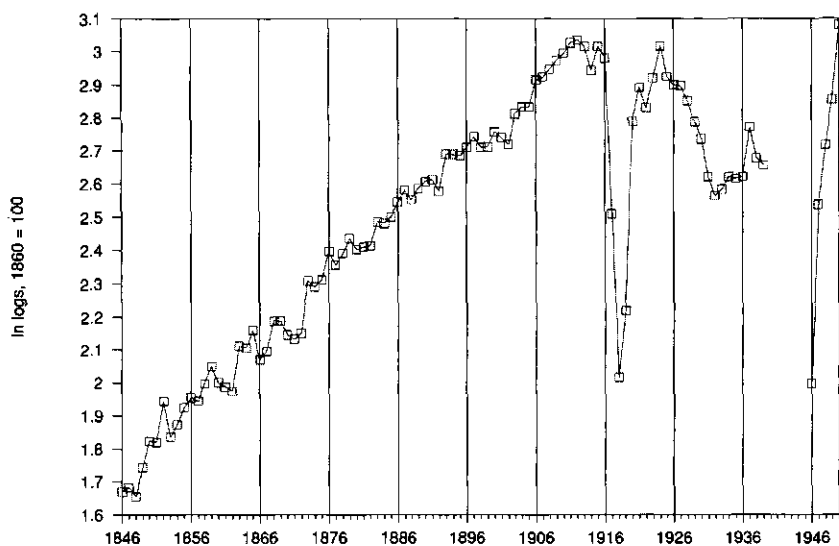
Unlike unprocessed livestock products exports of processed livestock products (figure 6) grew rapidly over the whole period 1846-1914, except for a temporary decline in the period 1875-1883, which is in accordance with the picture for agricultural exports as a whole. The main growth-phase was the period 1883-1914. An acceleration in exports is visible from 1893 onwards, when plagues strike cattle and livestock exports are replaced by meat exports. In the first years of World War I exports remain at a very high level, due to high exports of cheese, butter and meat to Germany. These products and also hides are the main products responsible for growth in this sub-sector. From 1893 onwards growth becomes stronger until in 1917 a maximum is reached. Large exports of preserved vegetables to Germany explain this maximum in the First World War. After the War exports decline again and only after the Second World War, a new growth-phase starts.

Figure 4
Volume of Exports of Unprocessed Horticultural Products
 (Laspeyres quantity index, 1860 = 100)



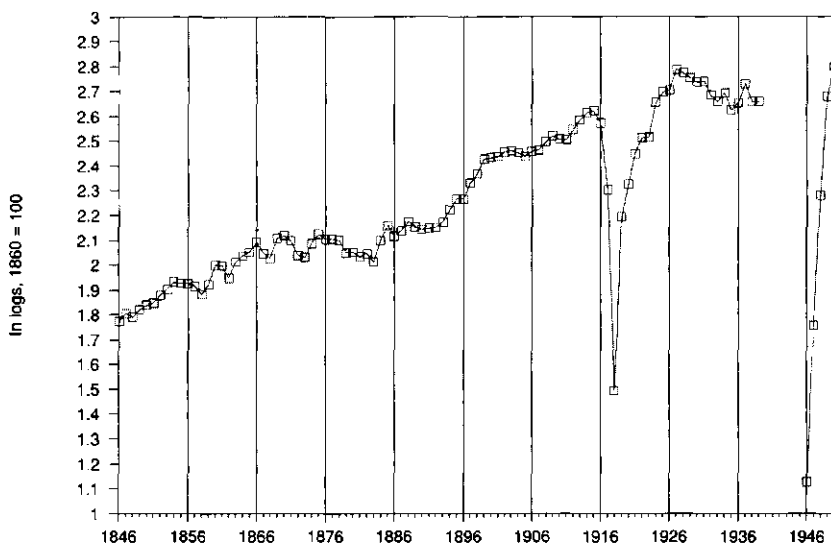
Source: Table B.1.

Figure 5
Volume of Exports of Processed Arable Products
 (Laspeyres quantity index, 1860 = 100)



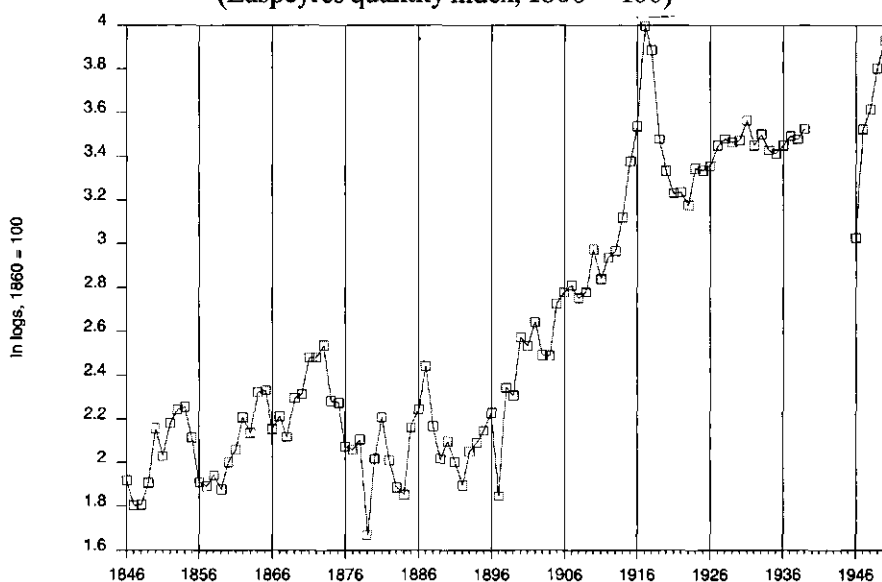
Source: Table B.1.

Figure 6
Volume of Exports of Processed Livestock Products
 (Laspeyres quantity index, 1860 = 100)



Source: Table B.1.

Figure 7
Volume of Exports of Processed Horticultural Products
 (Laspeyres quantity index, 1860 = 100)



Source: Table B.1.

4.3. Further analysis

Figure 8 shows growth of agricultural exports per capita and is therefore equal to figure 1 divided by population (52). The same periods as before can be seen from this graph. The decline in the period 1875-1883 is even more obvious here..

Table 4 shows the rising exports per worker. Here we divided the rising total exports by the agricultural workforce as has been calculated from census years. This shows a clear rising export- performance by agricultural workers.

Table 4
Exports per Agricultural Worker
(in census years, 1859 = 100)

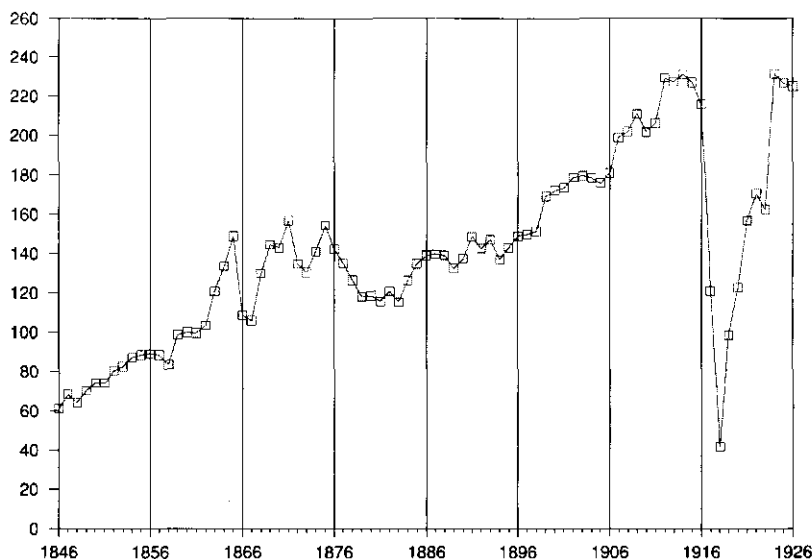
	Total Exports (1860 = 100)	Agricultural workforce	Exports/worker 1859 = 100
1849	63	545	66
1859	98	566	100
1880	143	618	133
1889	179	639	161
1899	258	673	221
1909	366	687	308
1920	250	694	208
1926	501	702	412

*Source: Total agricultural exports from Table B.2,
agricultural workforce from: C.L.J. van der Meer,
Employment and Labour Input in Dutch Agriculture 1849-1986,
Research Memorandum nr. 221, University of Groningen, 1987*

We also compared our export indices with the study by Knibbe on Dutch agricultural production (53). A comparison with production data is not very simple, because the agricultural export value contains quite some value added of processing, packing and trade and transport margins. The data on production are expressed at "farm gate" prices.

First, we re-estimated the calculated agricultural export value at current prices, for the period 1846-1916. From our calculations we derived the current value of Dutch agricultural exports for this period. These current values

Figure 8
Agricultural Exports per Capita
 (Laspeyres quantity index, 1860 = 100)



Source: Table B.4 & B.5.

probably underestimate the true export-value. This is caused by a number of reasons; some real trade was erased from our calculations by the correction for disguised transit trade, we used domestic wholesale prices instead of export unit values and we could not take all products in account because of the lack of product-differentiation in SIUD. We calculated the current export value of 1925 for the products specified in 1913. The ratio between this estimate and the values of all products listed in 1925, was used as an indicator for the underestimation of export at current prices, before 1917. For the exceptional years 1915 and 1916, we used 1917 as indicator. The original and re-estimated series are presented in Table B.3.

In Figure 9 the re-estimated exports at current prices are compared with agricultural production at current prices. The study by Knibbe (54), shows total agricultural production, both at current prices and deflated. For the period 1870-1926 as a whole a rising importance of exports is visible for agriculture. The period 1875-1883, shows a decline of exports and a growth of production. A growing domestic consumption must have been the main reason for this decline in export-performance. The period 1913-1926 shows a decline

Figure 9
Agricultural Production and Exports
 (at current prices, billion guilders)

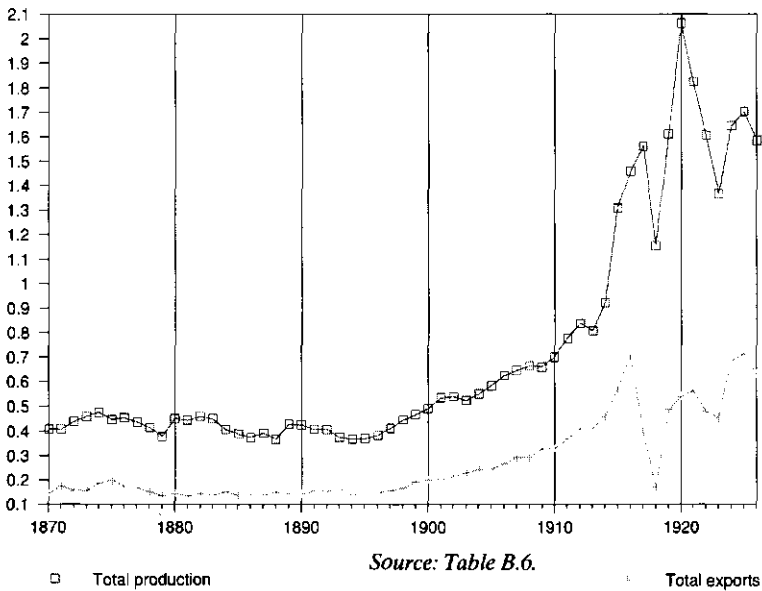
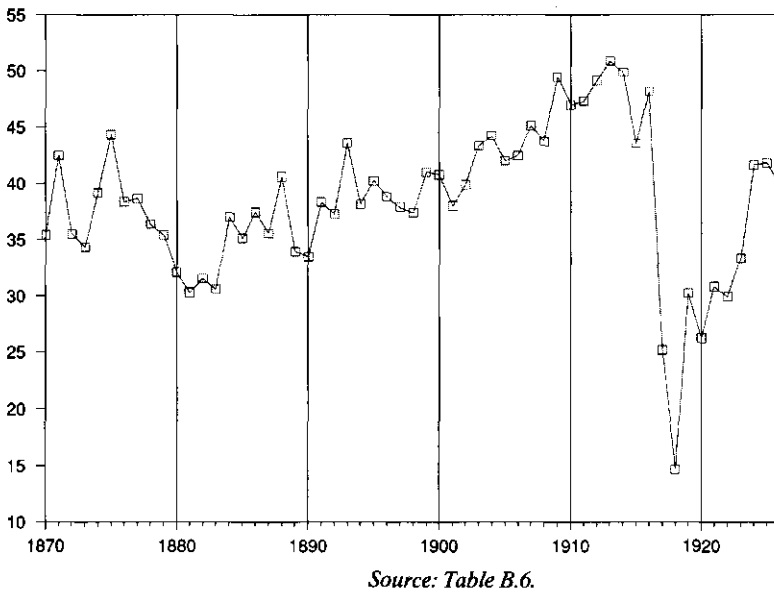


Figure 10
Share of exports in total production
 (at current prices, in %)



in the importance of exports. One should however take into account, the different degrees of processing over time. Production in our series is based on unprocessed products, while in exports a great deal of processing is present. Figure 10, where the share of exports in production is shown, shows the developments even more clear.

In Table 5 we make a comparison for the period 1900-1926 with the study by Van Ark (55). He also divided agricultural exports in various sub-groups and calculated quantity indices. His findings are quite similar to ours, but differ in growth rates. This is caused by a different product coverage (Van Ark did not follow the CBS- classification as closely as we did) for the various sub-groups and a different use of prices. Van Ark only used 1907 and 1923 prices for his calculations, whereas we used prices from all years in the period 1900-1926 for revaluation.

Table 5
Comparison with van Ark's Results
(Compound annual growth rates, in %)

	1900-1913	1913-1918	1918-1926	1900-1926
A. Our findings				
Unprocessed:				
- arable crops	2,88	-35,71	39,00	3,10
- livestock	4,78	-37,68	31,72	1,73
- horticulture	6,13	-13,65	13,01	3,99
- all unprocessed	4,52	-25,13	22,22	2,86
Processed:				
- arable products	4,67	-36,94	28,98	1,25
- livestock products	2,76	-39,60	41,74	2,42
- horticultural products	7,32	52,29	-14,09	7,20
B. H.H. van Ark				
Unprocessed:				
- arable crops	5,17	-48,52	53,08	2,89
- livestock	6,17	-29,96	28,49	3,93
- horticulture	2,95	-6,85	10,00	3,07
- all unprocessed	4,49	-19,02	17,49	3,15
Processed:				
- arable products	4,26	-37,92	35,34	2,25
- livestock products	2,87	-34,10	35,95	2,89
- horticultural products	6,62	26,02	-7,65	5,04

Source: Our findings from table B.1 and B.2, findings van Ark from:

Bart van Ark, Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, January 1986, unpublished

V Summary and Conclusions

This study analyses the problems in using pre-1917 Dutch foreign trade statistics. Before 1846 no systematic account on trade is available. Another major problem is the unification with Belgium for the period 1815-1830, for which it is therefore not possible to construct an export series.

From 1846 onwards, a systematic account of foreign trade was issued by the Department of Finance. In 1846 the "Statistics on Trade and Shipping on the Kingdom of the Netherlands" were published for the first time. In 1877 it is replaced by the "Statistics on Imports, Exports and Transit Trade". These statistics suffer from serious problems:

- no information on the prices of traded goods
- great amounts of disguised transit trade hidden in the statistics
- no classification based on modern standards
- use of non-metric quantity standards
- lack of product-differentiation

Because of these shortcomings it is difficult to derive an export series. In this study we used a transparent method to deal with these problems, except the last. This method was adapted to agricultural exports for the period 1846-1926. All agricultural exports were first classified by a modern industry of origin approach, used by CBS for a later period. This CBS-classification was adapted somewhat to make it suitable for the period 1846-1926. We recalculated old quantity standards to metric standards. Disguised transit trade was dealt with by taking trade balances for some major arable crops and products. These trade balances replaced quantities as were stated in the statistics. The traded quantities were revalued by using domestic and foreign prices derived from secondary sources.

After having adapted the information from the foreign trade statistics, we calculated quantity indices for the various sub-groups. These indices were calculated for five sub-periods and linked in overlapping years. This resulted in a quantity index over the whole period 1846-1926 expressed in terms of one reference year, in this case 1860.

While the first part of this study deals mainly with methodological problems, the second is mainly analytical. The development of Dutch agriculture in the nineteenth century and the early twentieth century is considered, as well as the role of foreign trade in this development.

Four phases were defined with respect to agricultural growth performance:

1. 1846-1875 Rapid growth of agricultural exports, especially of unprocessed products and horticulture. This was caused by a decline in protectionism in neighbouring countries from 1846 onwards, enhanced economic growth in most European countries and improved opportunities for international trade.
2. 1875-1883 Decline of export performance, probably a combined effect of:
 - increased domestic consumption, due to rising per capita incomes;
 - increased international competition, which caused a stagnating production and the loss of export markets to foreign competitors.
3. 1883-1914 Rapid growth of exports, especially processed and horticultural products. The agricultural crisis caused a substitution from unprocessed to processed and horticultural products.
4. 1914-1926 Decline of export performance during the First World War and rapid recovery afterwards. Exports of processed products remained at a very high level in the first years of the War, due to large German imports.

Horticulture was clearly the strongest growing sector. Its share in total agricultural exports rose from 2 in 1846 to 17 percent in 1926.

The role of agricultural exports for Dutch agriculture increased over the whole period. Total agricultural exports grew faster than production.

Another clear trend in Dutch agricultural exports after 1871 was the gradual substitution of unprocessed by processed and horticultural exports. This development was enhanced by the agricultural crisis in the 1880s. The high level of Dutch agricultural exports in the first years of World War I was remarkable. This was caused by increased exports of processed products (bread, butter, cheese) and horticultural products (especially preserved vegetables) to Germany.

Our main conclusions are:

1. Dutch trade statistics can be adjusted and afterwards used for an analysis of economic growth in the nineteenth and early twentieth century. This study has given a methodology for the use of these statistics.
2. Agriculture in the Netherlands increasingly reaped the benefits from international trade during the period considered. Dutch exports specialised in

- livestock products, horticulture and some arable products.
3. More detailed analysis of agricultural growth over this period has to await the appearance of reliable production and price series.

Appendix A.1. Classification of Agricultural Exports

The following classification into industries of origin is based on CBS-material used for analysis of Dutch export performance in the period 1921-1939. This base-material was generously supplied to us by CBS. We are aware that this approach need not be the best in all respects, we use this approach to make comparison with later periods more straightforward. The deviations from the CBS-list have already been dealt with in the main text.

Group 1: Unprocessed arable crops

potatoes	canary-seed
sugar-beets	beet-seed
chicory (processed and unprocessed)	tree-seed
wheat	grass-seed
rye	spurry-seed
barley	clover-seed
oats	musterd-seed
buckwheat	"krok"-seed
beans	"deder"-seed
peas	hemp-seed
millet	cole- and rape-seed
mixed grains	lin-seed
untreshed grains	other oil-seeds
hemp (hackled and unhackled)	flower-seed
hay	vegetable-seed
vegetable fibres	cattlefodder
flax (raw and unprocessed)	turnips
straw	

Group 2: Unprocessed livestock products

bees	horses (various)
goats	cattle (various)
eggs	pigs
donkeys	sheep
honey	lambs
dung and manure	wool (unprocessed)
fresh milk	wax (not bleached)
poultry	other live animals

Group 3: Unprocessed horticultural products

trees and flowers	fresh vegetables
fresh fruit	

Group 4: Processed arable crops

potatoe-starch	broken grains
sugar beet-pulp	malt
beer	macaroni
bread and rusk	wheat-flour
waste of buckwheat	rye-flour
bran	buckwheat-flour
other waste of grains	other flour
yeast	semolina
cakes	madder (raw and unprocessed)
biscuits	beetsugar
vermicelli	fabricated potato-starch
other processed arable products	spirits

Group 5: Processed livestock products

offal (various)	hides (various)
butter	cheese
feathers	animal hair
game	milk (processed)
meat (various)	animal fats and other

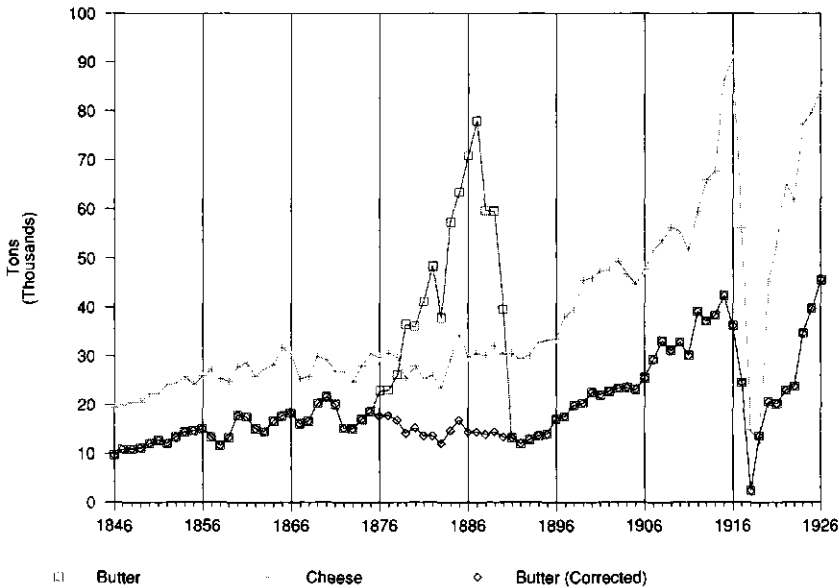
Group 6: Processed horticultural products

vegetables (dried, otherwise processed)
fruits (dried, otherwise processed)
fruit juice

The main text already mentions the problems with the classification of butter. Between 1875 and 1891 no differentiation exist between butter and margarine. Butter is an agricultural product, while margarine is mainly industrial. We used cheese-exports as an indicator for butter-exports for the period 1875-1891. Both products used to have a quite similar export pattern as can be seen in figure A.1.. Both products are dependent on the production of milk and the similarity in export pattern is therefore not surprising. We first took an

index for the exports of cheese for the period 1875-1891 and applied this to butter. This led to an overestimation of actual butter-exports in 1891. We therefore interpolated the ratio between our estimated level and the actual level in 1891 backwards to derive a final estimate of butter-exports for this period. Our corrected butter-exports are shown in figure A.1.

Figure A.1.1
Exports of Butter and Cheese
(in thousand tons)



Source: SIUD

Appendix A.2. Recalculation of Quantity Standards

This appendix shows the adjustment of SIUD to a metric basis. We used the fixed prices in SIUD to calculate the standards as they are used in SIUD. An example may be useful in this respect; oats costs f110,- per 30 hectolitres before 1872 and f80,- per metric ton after 1872. Because fixed prices remained the same in SIUD we can calculate the exact value of one hectolitre in SIUD: $((110/30)/80)*1000 = 45.8$ kilograms. When comparing the standards calculated in this way we found only small diversions of standards supplied by other sources (for example: "Jaarcijfers Landbouw Economisch Instituut", 1966). The only exception in this respect was the standard for potatoes which differed too much when calculated by this approach. In this case we took the standard supplied by the earlier mentioned "Jaarcijfers LEI". This procedure gave us the following standards:

potatoes	1 hectolitre = 70.0 kilograms
oats	1 hectolitre = 45.8 kilograms
buckwheat	1 hectolitre = 66.7 kilograms
beans	1 hectolitre = 78.4 kilograms
peas	1 hectolitre = 83.3 kilograms
mixed grains	1 hectolitre = 70.2 kilograms
canary-seed	1 hectolitre = 71.4 kilograms
clover-seed	1 hectolitre = 83.3 kilograms
musterd-seed	1 hectolitre = 66.7 kilograms
"krok"- and "deder"-seed	1 hectolitre = 62.5 kilograms
hemp-seed	1 hectolitre = 54.5 kilograms
cole- and rape-seed	1 hectolitre = 73.6 kilograms
lin-seed	1 hectolitre = 69.4 kilograms

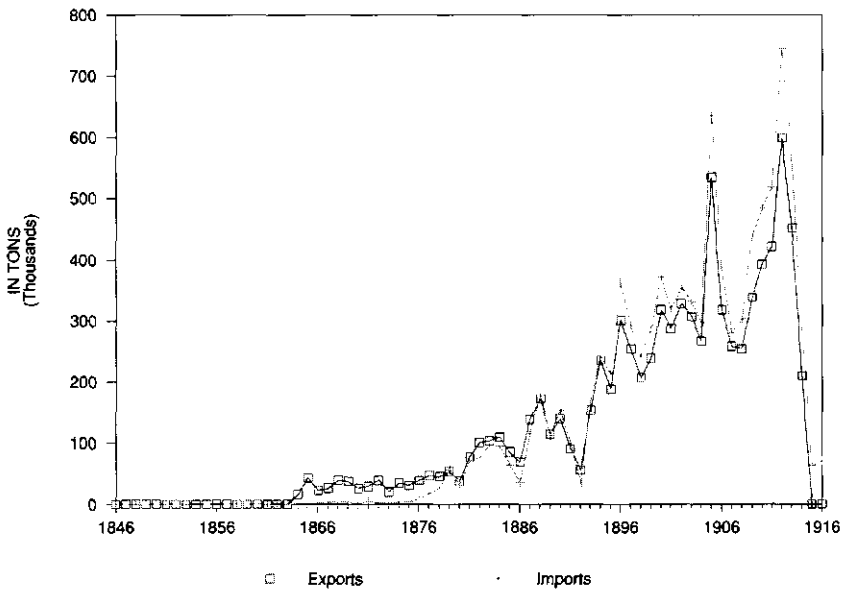
Some other standards also had to be recalculated, although they are not uncommon in trade statistics. These standards however did not remain the same over the whole period. Using the same method we calculated:

bees	1 hive = 20 kilograms
eggs	1000 pieces = 22 kilograms

Appendix A.3. Correction for Disguised Transit Trade

Export-balances were calculated for some unprocessed and processed arable crops. Disguised transit trade is illustrated in figure A.3.1. In this graph exports and imports of oats appear highly correlated, especially over the period 1880-1916. When considering trade in agricultural products, such correlation is highly unlikely. An agricultural product is in general exported, when there is a surplus of production over domestic consumption or when the product is mainly produced for the world market. Contrarily, an agricultural product is imported in general when domestic production is too low to meet domestic demand or when the product is not produced in the country itself. A high level of exports and imports in the same year for one product is therefore unlikely. This situation is referred to as disguised transit trade.

Figure A.3.1
Trade in oats, 1846-1916
(in thousand tons)



Source: SIUD

We therefore calculated trade-balances for the following products:

-wheat	barley
-rye	oats
-buckwheat	beans
-peas	hemp (unhackled)
-grass-seed	lin-seed
-cole-, rape- and other oil-seeds	rye-flour

For unprocessed arable crops, this procedure shows that after correction for disguised transit trade most products disappear completely, because in general imports exceed exports. Unavoidably by taking balances we also erase some real exports from our calculations.

Appendix A.4. Products Included in Our Quantity-Index

Group 1: Unprocessed Arable Crops

1. *1846-1871*: potatoes, sugar-beets, chicory (processed and unprocessed), wheat, rye, barley, oats, buckwheat, beans, peas, millet, mixed grains, untreshed grains, hay, hemp (hackled and unhackled), flax (raw and unprocessed), straw, canary-seed, clover- seed, mustard-seed, hemp-seed, cole- and rape-seed, lin-seed, flower- seed.
2. *1872-1904*: as 1846-1871, and also vegetable fibres, grass-seed, "krok"-seed, "deder"-seed.
3. *1905-1916*: as 1872-1904, and also beet-seed, tree-seed, other oil- seeds.
4. *1917-1926*: all products as named in CBS-list (1).

Group 2: Unprocessed Livestock Products

1. *1846-1871*: bees, eggs, honey, dung and manure, horses (various), cattle (various), pigs, sheep, lambs, wax (not bleached), wool (unprocessed).
2. *1872-1904*: as 1846-1871, and also goats, donkeys.
3. *1905-1916*: as 1871-1904, and also fresh milk.
4. *1917-1926*: all products in CBS-list.

Group 3: Unprocessed Horticultural Products

1. *1846-1871*: trees and plants, fresh and dried vegetables, fresh and dried fruits.
2. *1872-1904*: as 1846-1871
3. *1905-1916*: trees and plants, fresh vegetables, fresh fruits.
4. *1917-1926*: all products in CBS-list.

Group 4: Processed Arable Crops

1. *1846-1871*: potato-flour, sugar beet pulp, bread and rusk, beer, bran, broken grains, waste of buckwheat, yeast, cakes, vermicelli, wheat-flour, rye-flour, buckwheat-flour, other flour, madder (raw and unprocessed), beetsugar.
2. *1872-1904*: as 1846-1871, and also biscuits, other waste of grains, malt, macaroni, semolina.
3. *1905-1916*: as 1872-1904
4. *1917-1926*: all products in CBS-list.

Group 5: Processed Livestock Products

1. 1846-1871: offal (various), butter, cheese, animal hair, hides, feathers, meat (various), game.
2. 1872-1904: as 1846-1871
3. 1905-1916: as 1846-1871.
4. 1917-1926: all products in CBS-list.

Group 6: Processed Horticultural Products

1. 1846-1871: otherwise processed vegetables, otherwise processed fruits, fruit juice.
2. 1872-1904: as 1846-1871.
3. 1905-1916: vegetables (dried, otherwise processed), fruits (dried, otherwise processed).
4. 1917-1926: all products in CBS-list.

*(1) This is the basic list for the CBS-study on Dutch trade from 1921- 1939, CBS, "Hoeveelheids- en prijs (unit-value) indexcijfers van de buitenlandse handel voor de periode 1921-1939", **Statistische en Econometrische Onderzoeken**, 2e kwartaal 1951, pp. 112-120*

Appendix A.5.: Prices and Price Indices

In this appendix we will clarify in detail the methodology we used to revalue SIUD-quantities with current prices. These prices were derived from various sources and not all sub-groups could be covered to the same extent. The following prices could be derived (products between brackets were linked to the former product):

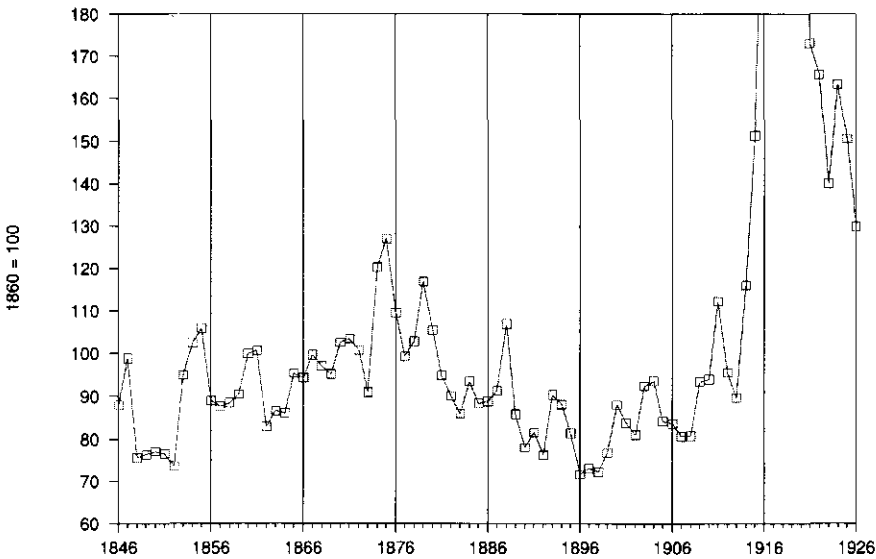
1. Unprocessed arable crops: potatoes, sugarbeets, unprocessed chichory (processed), wheat (1917-1926), rye (1917-1926), barley (1917-1926), oats, buckwheat, beans, peas, unhackled hemp (hackled), raw flax (unprocessed), straw, canary-seed, mustard-seed, hemp-seed, cole-/rape-seed, other oil-seeds, lin-seed.
2. Unprocessed livestock: bees, eggs, horses (various other specified horses), foals, cows (other bovine), calves, pigs, sheep, lambs, wool.
3. Unprocessed horticulture: apples, pears, cabbage, cauliflower.
4. Processed arable crops: bread and rusk, wheat-flour, rye-flour, beetsugar, raw madder (unprocessed), potato-starch (from 1900 onwards), bran (from 1914 onwards), yeast (from 1909 onwards).
5. Processed livestock products: butter, cheese, hides (various other), beef, veal, mutton, pork.
6. Processed horticultural products: No separate prices were available for this group, prices were linked to the prices of unprocessed horticultural products.

With these prices we calculated Paasche price-indices, which we linked to the available unit-value prices for 1925 to construct prices for goods for which no price from a secondary source was available. In some cases we had to link to the unit-values from earlier years, because no unit-value for 1925 was available. For horticultural products very few prices were available, here we used three separate price-indices. The first price-index we used was derived from the prices for apples and pears and applied to all fruits and fruit-products. The second price-index was based on the prices for cabbage and cauliflower and applied to all vegetables and products made from vegetables. A third price-index was based on the Paasche index for unprocessed arable crops and was applied to bulbs, trees and plants. This procedure is of course quite arbitrary because we also had to use these artificial prices for the calculation of quantities from the known traded values. The scarce information available on horticultural prices limits the possibilities however.

Especially for horticulture the calculated price-indices are therefore quite arbitrary. For the other sub-groups our price-information deals with almost all major products and the constructed price-index will be quite reliable therefore. Because we excluded wheat, rye, barley and oats (although some real exports of this latter product remain) from our calculations, no great price-fall is apparent in our calculations for unprocessed arable crops. In processed arable crops (especially for wheat-flour) this price-fall is greater.

In the rest of this appendix the price-indices for all sub-groups will be given (no separate price-indices for unprocessed and processed horticulture were derived) and for total agriculture. The tables on which these price-indices are based can be found in appendix table B.7, while the basic price-information is supplied in table C.2.

Figure A.5.1
Price Index Unprocessed Arable Crops
 (Paasche Index, 1860 = 100)



Source: Table B.7.

Figure A.5.2
Price Index Unprocessed Livestock
 (Paasche Index, 1860 = 100)

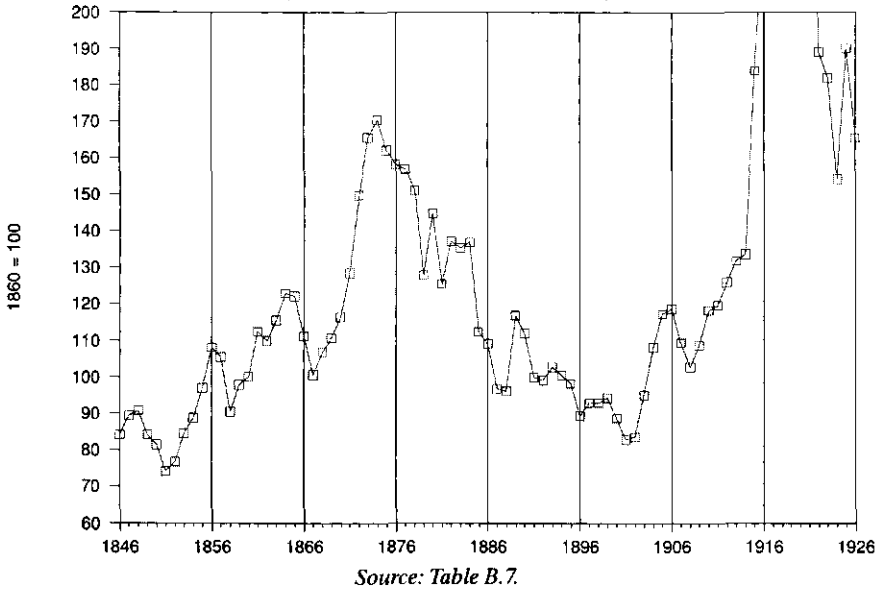


Figure A.5.3
Price Index Processed Arable Products
 (Paasche Index, 1860 = 100)

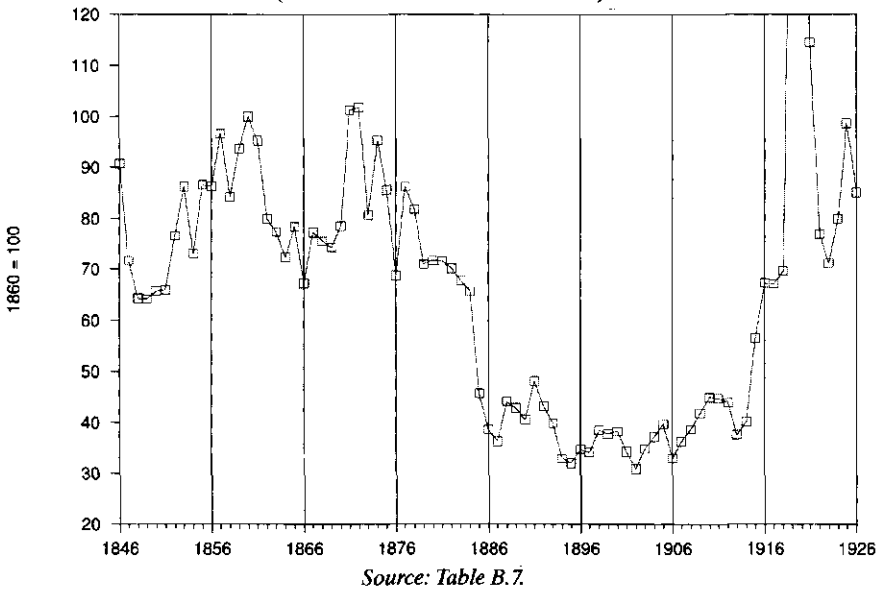
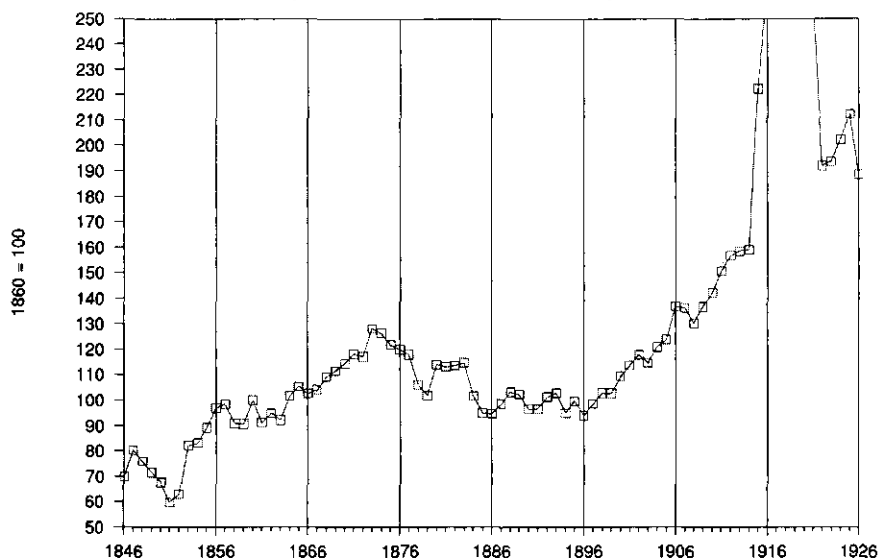
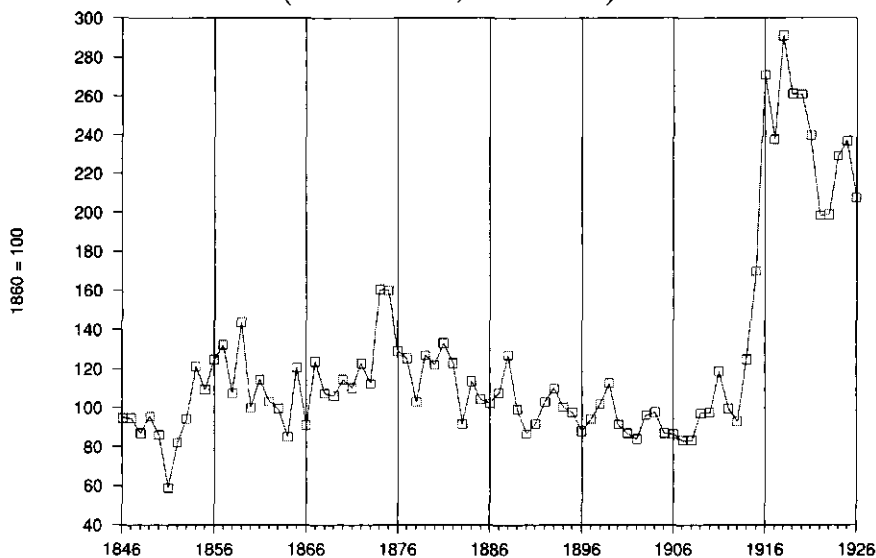


Figure A.5.4
Price Index Processed Livestock Products
 (Paasche index, 1860 = 100)



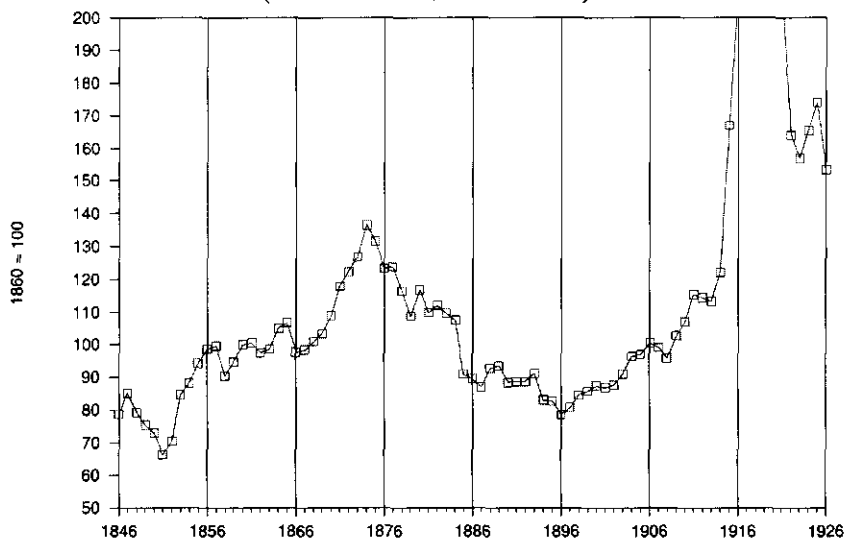
Source: Table B.7.

Figure A.5.5
Price Index Horticulture and -Products
 (Paasche Index, 1860 = 100)



Source: Table B.7.

Figure A.5.6
Price Index Total Agriculture
 (Paasche index, 1860 = 100)



Source: Table B.7.

Appendix A.6: Analysis of Summary Groups

In section 4.2. of the main text we gave an analysis of export growth in the six sub-sectors we distinguished. We did not analyse all combined sub-sectors in that section, however. Such an analysis would have been too repetitive. But we do not want to withhold our results on this part. This appendix will therefore show graphically the development of exports for the combined sub-sectors: all unprocessed products, all processed products, all arable crops and products, all livestock and livestock products and finally all horticultural products.

1. **All Unprocessed Products (figure A.6.1.):** For this subsector, CBS series are available until 1984. These were chained to our own series. Periods of decline are visible in 1866 (cattle plagues), 1875-1883 (the general depression in exports) and 1894 (cattle plague). The periods 1846-1865 and 1950-1984 show strong growth.
2. **All Processed Products (figure A.6.2.):** This sector is dominated by the livestock sector. We refer to the analysis of that sector in section 4.2.
3. **All Arable Crops and Products (figure A.6.3.):** This sector has a growth pattern similar to agricultural exports as a whole. We refer to section 4.2.
4. **All Livestock and Products (figure A.6.4.):** Main growth in this sector took place during the period 1846-1875. The plague in 1866 is visible from the graph, but the one in 1893 can not be discerned, probably because meat exports substituted livestock exports.
5. **All Horticulture and Products (figure A.6.5.):** This sector was clearly the strongest growing sector in the period 1846-1926, with an annual average compound growth rate of 5.58 %. But even in this sector the decline of the late 1870s is visible.

Figure A.6.1.
Volume of Exports of All Unprocessed Products
 (Laspeyres Quantity Index, 1860 = 100)

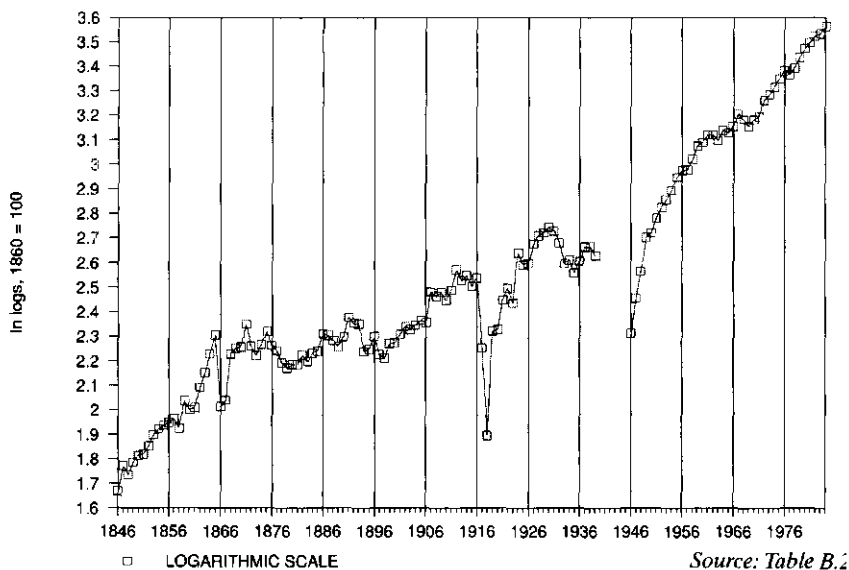


Figure A.6.2
Volume of Exports of All Processed Products
 (Laspeyres Quantity Index, 1860 = 100)

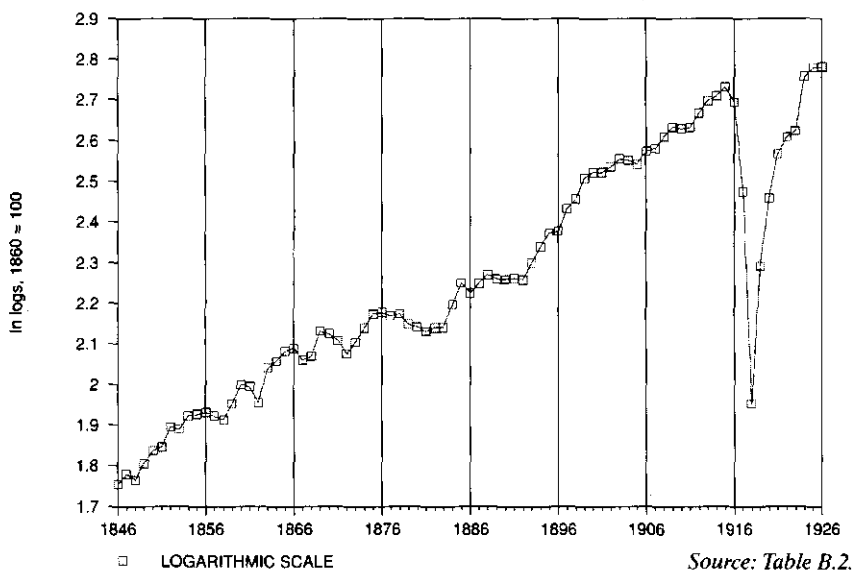
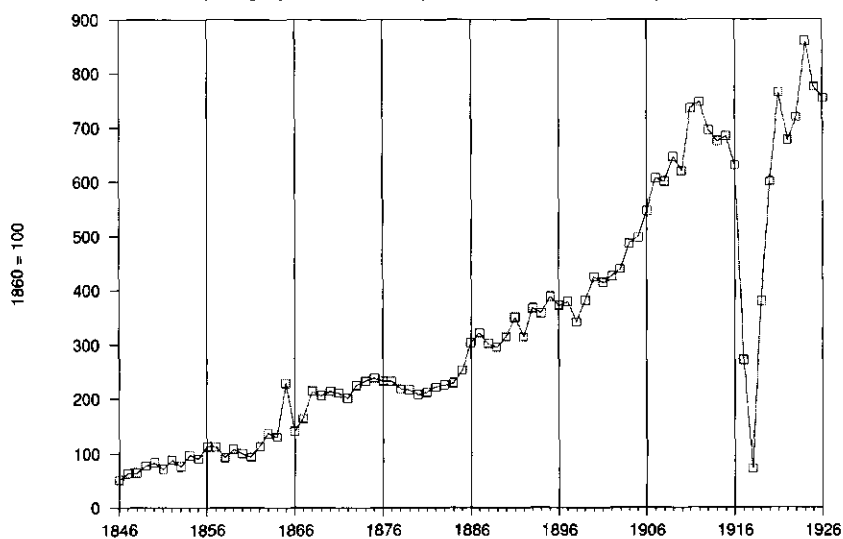
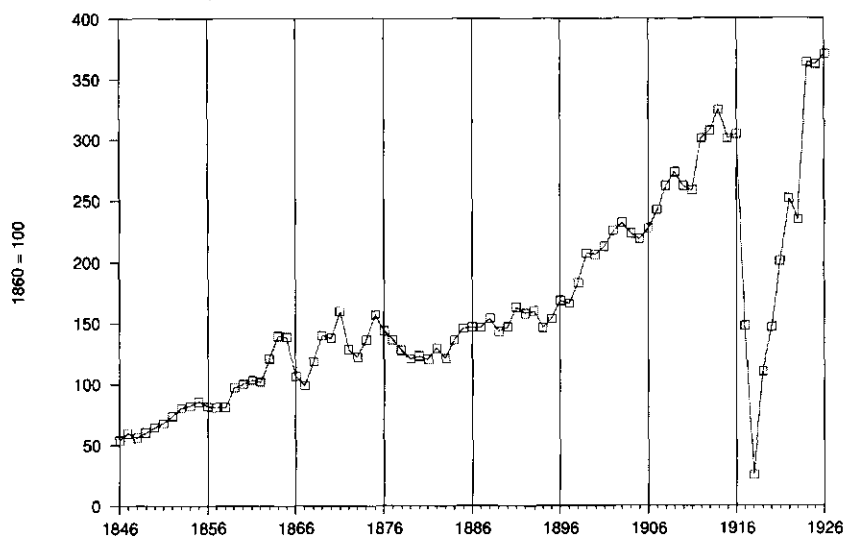


Figure A.6.3
Volume of Exports of All Arable Crops and -Products
 (Laspeyres Quantity Index, 1860 = 100)



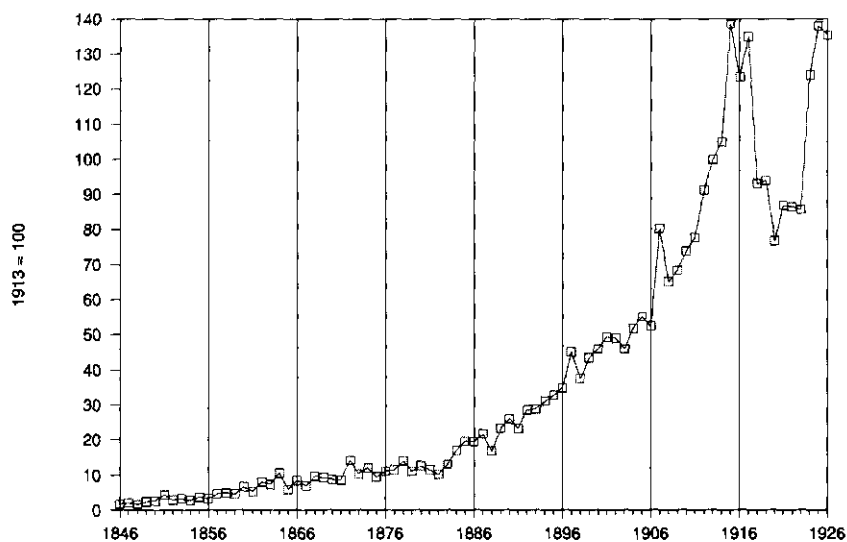
Source: Table B.2.

Figure A.6.4
Volume of Exports of All Livestock and -Products
 (Laspeyres Quantity Index, 1860 = 100)



Source: Table B.2.

Figure A.6.5
Volume of Exports of All Horticulture and -Products
 (Laspeyres Quantity Index, 1913 = 100)



Source: Table B.2.

Appendix B: Main Results

We calculated quantity indices by group and sub-period. The indices for each sub-period were chained by calculating three or more overlapping years. The periods 1846-1875 and 1875-1883 were chained by calculating the years 1872-1875 twice, first based on the product-coverage before 1872 and second based on the product-coverage from 1872 onwards. The average ratio of the overlapping years was chosen as the chaining factor and the indices based on the product-coverage from 1872 onwards were taken as final index. Similar chaining procedures were made for chaining over the years 1884-1886 and over the years 1905-1907. For the overlap between the periods 1905-1916 and 1917-1926 we found such a procedure not suitable. In this period three fundamental changes are taking place;

- first, the trade statistics are changed fundamentally;
- second, the First World War causes a great change in economic production and price structures;
- third, the prices we used change from domestic wholesale prices to unit-value export prices.

Therefore we first calculated the years 1905-1926 based on the product-coverage from 1905-1916 and later 1913-1926 based on the product-coverage from 1917-1926. Both series were brought on the same level for 1913 and the arithmetical average was chosen as the final index for the period 1913-1926.

This appendix consists of seven parts. In table B.1 the quantity indices for each group and sub-period separately are presented. The same series were calculated for Paasche and Fisher, but we chose only to show Laspeyres quantity indices. Paasche and Fisher indices differ only slightly.

In table B.2. quantity indices for summary groups are presented. Only the final Laspeyres-index for the whole period is shown here.

Table B.3. presents these export values at current prices for sub- group and sub-period separate and for agricultural exports as a whole.

Table B.4. presents the shares of our sub-groups in total agricultural exports at current prices.

In table B.5. we supply data on population-growth and compare the growth of population with growth of exports.

Table B.6. compares data on agricultural production with our export- data.

Finally in table B.7. Paasche price-indices for our sub-groups are presented.

**Table B.1.A.:
Export quantity indices, unprocessed arable crops
(Laspeyres quantity indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	58							58
1847	87							87
1848	92							92
1849	109							109
1850	107							107
1851	78							78
1852	89							89
1853	88							88
1854	128							128
1855	98							98
1856	147							147
1857	148							148
1858	83							83
1859	103							103
1860	100							100
1861	88							88
1862	141							141
1863	148							148
1864	135							135
1865	352							352
1866	177							177
1867	223							223
1868	304							304
1869	284							284
1870	324							324
1871	321							321
1872	276	152						277
1873	271	145						265
1874	289	160						292
1875	289	160						291
1876		130						237
1877		142						259
1878		116						211
1879		99						180
1880		100						182
1881		103						188
1882		113						207
1883		92						168
1884		100	56					184
1885		119	64					213

**Table B.1.A.:
Export quantity indices, unprocessed arable crops
(Laspeyres quantity indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		148	83					273
1887			86					284
1888			81					267
1889			72					238
1890			78					257
1891			95					313
1892			83					274
1893			88					291
1894			83					275
1895			100					329
1896			85					282
1897			81					269
1898			71					234
1899			90					296
1900			100					331
1901			100					329
1902			110					365
1903			92					305
1904			110					365
1905			115	98				382
1906			111	96				371
1907			141	118				459
1908				109				422
1909				118				459
1910				100				388
1911				136				527
1912				137				533
1913				123	67			478
1914				138	77			541
1915				118	65			461
1916				111	58			423
1917				62	33			238
1918				14	7			53
1919				133	70			509
1920				155	80			586
1921				194	104	89		747
1922				175	93	82		672
1923				170	87	87		642
1924				193	103	101		742
1925				188	100	99		720

Table B.1.A.:
Export quantity indices, unprocessed arable crops
(Laspeyres quantity indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926				187	102	101		731
1927						97		704
1928						114		827
1929						127		922
1930						126		915
1931						121		878
1932						103		748
1933						76		552
1934						86		624
1935						74		537
1936						102		740
1937						121		878
1938						110	101	798
1939						85		617
1940								
1941								
1942								
1943								
1944								
1945								
1946							73	577
1947							92	727
1948						88	100	791
1949						102		916
1950						82		737
1951						75		674
1952						94		844
1953						100		898
1954						96		862
1955						116		1042
1956						136		1222
1957						102		916

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1957 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

**Table B.1.B.:
Export quantity indices, unprocessed livestock
(Laspeyres indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	46							46
1847	55							55
1848	48							48
1849	51							51
1850	57							57
1851	63							63
1852	70							70
1853	81							81
1854	77							77
1855	88							88
1856	78							78
1857	79							79
1858	86							86
1859	115							115
1860	100							100
1861	109							109
1862	120							120
1863	144							144
1864	181							181
1865	174							174
1866	81							81
1867	80							80
1868	135							135
1869	154							154
1870	147							147
1871	208							208
1872	155	111						155
1873	145	104						144
1874	157	113						157
1875	188	137						191
1876		121						167
1877		109						152
1878		97						134
1879		97						135
1880		100						139
1881		100						139
1882		111						155
1883		105						146
1884		112	168					155
1885		106	160					148

**Table B.1.B.:
Export quantity indices, unprocessed livestock
(Laspeyres indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		125	188					174
1887			177					163
1888			176					163
1889			158					145
1890			173					159
1891			220					202
1892			202					186
1893			195					180
1894			119					110
1895			106					98
1896			150					138
1897			88					81
1898			104					96
1899			111					102
1900			100					92
1901			116					107
1902			131					121
1903			143					132
1904			128					118
1905			132	78				123
1906			134	78				123
1907			171	100				157
1908				108				171
1909				110				173
1910				100				158
1911				96				152
1912				134				212
1913				107	129			169
1914				112	128			172
1915				70	74			104
1916				121	130			181
1917				39	41			58
1918				11	11			16
1919				21	24			33
1920				23	28			37
1921				41	52	45		66
1922				80	95	80		125
1923				50	62	54		80
1924				133	162	107		211
1925				88	100	82		136

Table B.1.B.:
Export quantity indices, unprocessed livestock
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926				95	106	86		144
1927						126		210
1928						123		205
1929						124		207
1930						129		215
1931						127		212
1932						120		200
1933						90		150
1934						92		154
1935						81		135
1936						87		145
1937						108		180
1938						111	225	185
1939						128		214
1940								
1941								
1942								
1943								
1944								
1945								
1946							9	7
1947							67	55
1948						26	100	82
1949						38		120
1950						67		212
1951						86		272
1952						84		266
1953						100		317
1954						128		405
1955						154		488
1956						155		491
1957						175		554

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1957 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

Table B.1.C.:
Export quantity indices, unprocessed horticulture
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	23							23
1847	30							30
1848	23							23
1849	32							32
1850	32							32
1851	63							63
1852	36							36
1853	40							40
1854	35							35
1855	51							51
1856	46							46
1857	71							71
1858	72							72
1859	67							67
1860	100							100
1861	77							77
1862	116							116
1863	108							108
1864	156							156
1865	79							79
1866	124							124
1867	100							100
1868	145							145
1869	133							133
1870	126							126
1871	118							118
1872	193	108						206
1873	154	74						142
1874	173	94						179
1875	139	73						138
1876		87						166
1877		91						174
1878		112						213
1879		89						170
1880		100						190
1881		90						171
1882		81						153
1883		106						201
1884		138	38					264
1885		161	43					299

Table B.1.C.:
Export quantity indices, unprocessed horticulture
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		153	42					295
1887			47					325
1888			37					255
1889			51					359
1890			57					400
1891				51				359
1892				63				442
1893				64				445
1894				69				481
1895				72				505
1896				77				536
1897			100					701
1898			82					575
1899			96					668
1900			100					698
1901				108				754
1902				106				742
1903				101				702
1904				113				792
1905			126	77				833
1906			114	72				779
1907			163	113				1228
1908				92				992
1909				96				1040
1910				100				1083
1911				109				1181
1912				127				1380
1913				140	75			1512
1914				144	76			1552
1915				184	99			1991
1916				150	82			1637
1917				103	61			1169
1918				65	37			726
1919				112	59			1208
1920				92	52			1022
1921				113	61	62		1230
1922				112	61	59		1221
1923				113	61	60		1228
1924				163	88	88		1773
1925				185	100	102		2031

Table B.1.C.:
Export quantity indices, unprocessed horticulture
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926				176	99	95		1931
1927						113		2273
1928						123		2475
1929						121		2434
1930						132		2656
1931							130	2615
1932							117	2354
1933							107	2153
1934							106	2133
1935							94	1891
1936							94	1891
1937							98	1972
1938							107	2153
1939							91	1831
1940								
1941								
1942								
1943								
1944								
1945								
1946							61	1132
1947							72	1336
1948						51	100	1856
1949						77		2802
1950						73		2656
1951						88		3202
1952						100		3639
1953						100		3639
1954						102		3712
1955						104		3784
1956						110		4003
1957						119		4330

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1957 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

**Table B.1.D.:
Export quantity indices, processed arable products
(Laspeyres indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	47							47
1847	48							48
1848	45							45
1849	55							55
1850	67							67
1851	66							66
1852	88							88
1853	69							69
1854	75							75
1855	84							84
1856	90							90
1857	88							88
1858	99							99
1859	112							112
1860	100							100
1861	97							97
1862	94							94
1863	129							129
1864	128							128
1865	144							144
1866	117							117
1867	125							125
1868	154							154
1869	153							153
1870	140							140
1871	135							135
1872	142	56						141
1873	200	81						204
1874	198	77						196
1875	206	81						205
1876		99						250
1877		90						227
1878		97						246
1879		108						273
1880		100						253
1881		102						257
1882		102						258
1883		121						306
1884		125	53					303
1885		125	55					317

Table B.1.D.:
Export quantity indices, processed arable products
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		134	61					350
1887			67					382
1888			62					357
1889			67					385
1890			71					406
1891				71				410
1892				66				379
1893				85				490
1894				85				489
1895				84				482
1896				90				514
1897				96				553
1898				90				514
1899				90				516
1900				100				574
1901				96				550
1902				91				524
1903				113				651
1904				119				681
1905				120	69			682
1906				142	84			825
1907				147	85			841
1908					90			884
1909					95			941
1910					100			986
1911					108			1063
1912					110			1085
1913					105	121		1039
1914					93	99		881
1915					101	126		1037
1916					86	125		959
1917					27	45		323
1918					9	14		104
1919					15	21		166
1920					63	71		615
1921					80	90	95	782
1922					68	80	100	675
1923					86	96	115	833
1924					103	124	143	1038
1925					85	100	145	840

**Table B.1.D.:
Export quantity indices, processed arable products
(Laspeyres indices)**

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926					81	90	140	793
1927							138	791
1928							124	710
1929							107	613
1930							95	544
1931							73	418
1932							64	367
1933							67	384
1934							73	418
1935							72	413
1936							73	418
1937							103	590
1938							83	476
1939							79	453
1940								
1941								
1942								
1943								
1944								
1945								
1946							19	99
1947							66	345
1948							100	523
1949							137	716
1950							231	1207

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1950 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

Table B.1.E:
Export quantity indices, processed livestock products
(Laspeyres index)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	59							59
1847	63							64
1848	62							62
1849	66							66
1850	69							69
1851	71							70
1852	76							75
1853	80							80
1854	86							85
1855	84							84
1856	84							84
1857	82							82
1858	77							76
1859	84							84
1860	100							100
1861	99							99
1862	89							89
1863	104							103
1864	110							109
1865	114							113
1866	124							124
1867	112							111
1868	107							106
1869	130							128
1870	131							131
1871	125							125
1872	110	97						109
1873	107	95						107
1874	122	108						122
1875	131	118						133
1876		113						127
1877		113						127
1878		112						126
1879		99						112
1880		100						113
1881		96						108
1882		99						111
1883		91						103
1884		111	46					125
1885		127	53					144

Table B.1.E:
Export quantity indices, processed livestock products
 (Laspeyres index)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		117	48					131
1887			50					137
1888			55					149
1889			52					142
1890			51					139
1891				52				140
1892				52				142
1893				55				148
1894				62				167
1895				68				185
1896				68				185
1897				79				214
1898				86				232
1899				98				267
1900			100					271
1901				101				273
1902				105				286
1903				107				290
1904				105				283
1905			100	85				274
1906			105	89				288
1907			109	91				291
1908				98				314
1909				103				331
1910				100				321
1911				99				319
1912				109				351
1913				120	69			386
1914				128	73			412
1915				129	75			418
1916				115	68			375
1917				59	38			200
1918				9	6			31
1919				46	30			157
1920				56	44			213
1921				75	57	58		281
1922				88	66	68		326
1923				85	68	70		327
1924				122	91	95		452
1925				135	100	105		497

Table B.1.E:
Export quantity indices, processed livestock products
(Laspeyres index)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926				137	102	107		505
1927						129		610
1928						125		591
1929						119		563
1930						115		544
1931						116		548
1932						102		482
1933						96		454
1934						104		492
1935						89		421
1936						95		449
1937						113		534
1938						96	239	454
1939						96		454
1940								
1941								
1942								
1943								
1944								
1945								
1946							7	13
1947							30	57
1948							100	190
1949							251	477
1950							331	629

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1950 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

Table B.1.F.:
Export quantity indices, processed horticultural products
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1846	83							83
1847	64							64
1848	64							64
1849	80							80
1850	143							143
1851	107							107
1852	151							151
1853	175							175
1854	179							179
1855	131							131
1856	81							81
1857	78							78
1858	88							88
1859	75							75
1860	100							100
1861	115							115
1862	161							161
1863	137							137
1864	209							209
1865	214							214
1866	143							143
1867	163							163
1868	131							131
1869	197							197
1870	206							206
1871	303							303
1872	293	291						302
1873	347	330						342
1874	194	185						192
1875	189	181						187
1876		114						118
1877		110						114
1878		123						128
1879		45						47
1880		100						104
1881		155						161
1882		98						102
1883		74						77
1884		68	19					71
1885		140	39					145

Table B.1.F.:
Export quantity indices, processed horticultural products
 (Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1886		171	47					175
1887			74					276
1888			39					146
1889			28					104
1890			34					125
1891				27				101
1892				21				79
1893				30				113
1894				33				123
1895				38				140
1896				45				168
1897				19				70
1898				59				220
1899				54				202
1900			100					373
1901				91				340
1902				118				439
1903				83				309
1904				83				308
1905				147	56			532
1906				168	64			598
1907				160	69			647
1908					60			564
1909					64			602
1910					100			942
1911					73			689
1912					92			865
1913					99	38		934
1914					138	54		1325
1915					236	102		2381
1916					352	144		3451
1917						1010	411	
1918					771	323		7652
1919					302	128		3011
1920					201	97		2153
1921					157	78	65	1704
1922					165	76	68	1727
1923					146	66	60	1507
1924					204	100	74	2211
1925					194	100	82	2168

Table B.1.F.:
Export quantity indices, processed horticultural products
(Laspeyres indices)

Year	1860 Weights	1880 Weights	1900 Weights	1910 Weights	1925 Weights	1928 and 1935 Weights	1948 Weights	Final Index
1926				209	104	85		2271
1927						106		2817
1928						114		3030
1929						110		2924
1930						112		2977
1931							138	3668
1932							106	2817
1933							119	3163
1934							101	2685
1935							97	2578
1936							106	2817
1937							117	3110
1938							113	73 3004
1939							126	3349
1940								
1941								
1942								
1943								
1944								
1945								
1946							26	1070
1947							81	3333
1948							100	4114
1949							154	6336
1950							208	8558

Source: 1846-1926 calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade", 1926-1950 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

**Table B.2.:
Export Quantity Indices of Summary Groups
(Laspeyres Indices, 1860 = 100)**

	All Arable Crops	All Livestock	All Horticulture	All Unprocessed	All Processed	Total Agriculture
1846	51	54	26	47	57	52
1847	64	60	31	59	60	60
1848	64	56	25	55	58	57
1849	77	60	35	61	64	63
1850	83	64	38	65	69	67
1851	71	68	66	66	70	68
1852	88	73	43	71	79	75
1853	77	80	48	79	78	78
1854	96	82	43	84	84	84
1855	90	86	55	87	84	85
1856	113	82	48	89	85	87
1857	112	81	71	92	84	87
1858	93	81	73	84	82	83
1859	108	97	68	109	90	98
1860	100	100	100	100	100	100
1861	93	103	79	102	99	100
1862	113	102	118	124	90	105
1863	137	121	109	142	110	124
1864	131	139	159	170	114	138
1865	229	139	87	202	121	156
1866	142	106	125	103	122	114
1867	165	99	104	110	115	113
1868	215	118	144	169	117	140
1869	207	140	137	178	135	154
1870	215	138	130	180	133	153
1871	211	160	128	224	128	169
1872	202	128	211	182	119	147
1873	226	122	152	167	127	144
1874	235	136	179	185	138	158
1875	239	157	141	208	149	174
1876	233	143	164	183	150	163
1877	234	136	171	175	147	157
1878	219	128	208	156	149	149
1879	217	121	163	149	140	141
1880	209	123	186	153	138	143
1881	213	120	171	153	135	141
1882	223	129	151	167	138	149
1883	227	121	195	158	138	144
1884	231	136	253	171	157	160
1885	254	146	291	174	178	173

Table B.2.:
Export Quantity Indices of Summary Groups
(Laspeyres Indices, 1860 = 100)

	All Arable Crops	All Livestock	All Horticulture	All Unprocessed	All Processed	Total Agriculture
1886	304	146	289	204	168	181
1887	323	146	322	201	177	184
1888	303	154	249	192	186	186
1889	296	143	346	182	182	179
1890	316	146	386	199	181	186
1891	352	163	346	238	182	204
1892	316	158	423	226	181	197
1893	369	160	427	224	199	206
1894	359	146	462	173	218	195
1895	389	153	486	177	235	206
1896	373	168	517	200	239	218
1897	380	166	667	169	271	222
1898	343	183	556	163	287	228
1899	382	207	644	187	322	258
1900	426	206	681	189	332	264
1901	415	213	732	204	332	271
1902	427	226	726	220	343	283
1903	440	232	681	213	358	289
1904	488	224	766	222	355	291
1905	499	219	817	232	347	291
1906	548	228	777	226	374	304
1907	608	243	1187	302	380	339
1908	602	262	964	291	406	349
1909	647	274	1012	303	429	366
1910	620	262	1093	280	425	355
1911	736	259	1150	307	428	368
1912	748	301	1351	372	465	415
1913	696	307	1479	335	498	419
1914	675	325	1551	352	512	434
1915	685	301	2051	319	539	434
1916	631	304	1827	345	495	421
1917	272	148	1994	180	298	241
1918	72	26	1377	79	89	84
1919	381	110	1390	210	195	199
1920	601	147	1136	213	287	250
1921	766	201	1285	281	370	324
1922	678	252	1281	313	407	358
1923	720	235	1268	273	421	348
1924	860	364	1830	435	572	502
1925	776	363	2041	395	601	498

**Table B.2.:
Export Quantity Indices of Summary Groups
(Laspeyres Indices, 1860 = 100)**

	All Arable Crops	All Livestock	All Horticulture	All Unprocessed	All Processed	Total Agriculture
1926	756	371	2001	393	604	501
1927				463		
1928				500		
1929				514		
1930				540		
1931				522		
1932				468		
1933				385		
1934				398		
1935				352		
1936				394		
1937				448		
1938				453		
1939				413		
1940				---		
1941				---		
1942				---		
1943				---		
1944				---		
1945				---		
1946				200		
1947				279		
1948				359		
1949				492		
1950				514		
1951				590		
1952				653		
1953				703		
1954				766		
1955				864		
1956				920		
1957				927		
1958				1025		
1959				1160		
1960				1197		
1961				1282		
1962				1282		
1963				1221		
1964				1340		
1965				1306		

Table B.2.:
Export Quantity Indices of Summary Groups
(Laspeyres Indices, 1860 = 100)

	All Arable Crops	All Livestock	All Horticulture	All Unprocessed	All Processed	Total Agriculture
1966				1390		
1967				1560		
1968				1480		
1969				1393		
1970				1480		
1971				1523		
1972				1784		
1973				1871		
1974				2002		
1975				2176		
1976				2350		
1977				2263		
1978				2409		
1979				2670		
1980				2900		
1981				3075		
1982				3249		
1983				3336		
1984				3568		

Source: 1846-1916 calculated from SIUD, 1916-1926 calculated from "Annual Statistics on Imports, Exports and Transit Trade, 1926-1984 derived from Bart van Ark, "Export Indices of Agricultural Products in the Netherlands, 1900-1984, Groningen, january 1986, unpublished

**Table B.3.:
Agricultural Exports at Current Prices
(thousand guilders)**

	Unprocessed			Processed			Total	
	Arable Crops	Livestock	Horti- culture	Arable Crops	Livestock	Horti- culture	Original	Re- estimated
<i>1. 1846-1875</i>								
1846	3.288	9.388	557	3.975	13.910	102	31.220	35.810
1847	5.536	11.798	716	3.227	17.106	82	38.465	44.120
1848	4.481	10.430	515	2.721	15.700	71	33.918	38.906
1849	5.389	10.330	792	3.334	15.864	92	35.800	41.064
1850	5.337	11.198	734	4.107	15.681	153	37.210	42.681
1851	3.875	11.082	937	4.088	14.260	96	34.338	39.387
1852	4.206	12.828	786	6.308	15.982	154	40.266	46.186
1853	5.384	16.159	989	5.552	21.977	213	50.274	57.666
1854	8.457	17.065	1.109	5.124	23.923	285	55.963	64.191
1855	6.712	20.608	1.391	6.820	25.218	217	60.967	69.930
1856	8.413	20.326	1.434	7.278	27.411	162	65.023	74.584
1857	8.360	19.698	2.352	7.946	27.232	166	65.754	75.421
1858	4.753	18.529	1.907	7.830	23.478	185	56.682	65.016
1859	5.993	26.471	2.401	9.795	25.458	190	70.308	80.646
1860	6.459	23.672	2.523	9.360	33.568	150	75.732	86.867
1861	5.718	29.228	2.272	8.671	30.360	152	76.402	87.635
1862	7.541	31.078	3.044	7.048	28.309	229	77.249	88.607
1863	8.286	39.575	2.728	9.354	32.197	181	92.321	105.895
1864	7.507	52.572	3.323	8.651	37.468	291	109.812	125.957
1865	21.670	50.415	2.475	10.569	40.294	324	125.747	144.235
1866	10.745	20.753	2.876	7.386	42.639	180	84.578	97.014
1867	14.336	17.951	3.155	9.019	39.146	272	83.879	96.211
1868	19.079	33.498	3.890	10.873	39.192	245	106.776	122.476
1869	17.447	39.764	3.592	10.678	48.606	307	120.394	138.096
1870	21.444	40.578	3.589	10.262	50.266	409	126.548	145.154
1871	21.440	63.318	3.291	12.843	49.675	493	151.060	173.271
1872	18.041	54.783	6.476	13.421	42.919	434	136.073	156.182
1873	15.560	56.324	4.013	15.434	46.075	558	137.965	158.271
1874	22.732	63.381	7.385	17.480	51.623	294	162.895	186.856
1875	23.905	73.099	5.676	16.478	54.160	345	173.662	199.197
<i>2. 1872-1886</i>								
1872	18.073	54.783	6.476	13.478	42.919	434	136.162	156.182
1873	15.579	56.324	4.013	15.434	46.075	558	137.983	158.271
1874	22.741	63.381	7.385	17.480	51.623	294	162.904	186.856
1875	23.906	73.099	5.676	16.478	54.160	345	173.663	199.197
1876	16.769	62.724	5.406	16.075	51.096	220	152.290	174.681

Table B.3.:
Agricultural Exports at Current Prices
(thousand guilders)

	Unprocessed			Processed			Total	
	Arable Crops	Livestock	Horti-culture	Arable Crops	Livestock	Horti-culture	Original	Re-estimated
1877	16.634	56.295	5.503	18.360	50.442	219	147.454	169.134
1878	13.999	48.041	5.552	18.880	44.834	183	131.491	150.824
1879	13.630	40.836	5.449	18.149	38.265	86	116.416	133.532
1880	12.439	47.534	5.865	16.994	43.143	181	126.156	144.704
1881	11.500	41.291	5.676	17.284	40.932	375	117.058	134.269
1882	12.022	50.161	4.737	16.980	42.391	195	126.486	145.084
1883	9.337	46.746	4.650	19.471	39.500	115	119.819	137.436
1884	11.107	50.271	7.550	18.594	42.788	123	130.432	149.610
1885	12.178	39.333	7.875	13.529	45.938	249	119.102	136.613
1886	15.658	44.827	7.616	12.610	41.531	268	122.510	140.522
<i>3. 1884-1905</i>								
1884	11.107	50.271	7.550	18.594	42.788	123	130.432	149.610
1885	12.178	39.333	7.875	13.529	45.938	249	119.102	136.613
1886	15.658	44.827	7.616	12.610	41.531	268	122.510	140.522
1887	16.757	37.284	8.834	12.945	45.212	430	121.461	139.320
1888	18.473	36.987	8.164	14.709	51.576	270	130.177	149.317
1889	13.196	40.143	9.001	15.423	48.645	155	126.563	145.172
1890	12.977	42.241	8.767	15.362	45.024	168	124.540	142.851
1891	16.538	47.841	8.334	18.409	45.379	142	136.643	156.733
1892	13.527	43.697	11.474	15.261	48.164	186	132.308	151.762
1893	16.951	43.610	12.301	18.245	51.151	257	142.514	163.468
1894	15.666	26.079	12.126	15.047	53.129	265	122.312	140.295
1895	17.311	22.723	12.425	14.430	61.914	273	129.076	148.054
1896	13.056	29.200	11.872	16.647	58.337	293	129.404	148.430
1897	12.718	17.846	16.661	17.648	70.802	121	135.798	155.764
1898	10.925	21.136	14.774	18.451	80.167	400	145.853	167.298
1899	14.706	22.806	18.970	18.182	92.161	380	167.203	191.787
1900	18.792	19.325	16.156	20.504	99.560	491	174.828	200.533
1901	17.802	20.980	16.575	17.575	104.322	426	177.680	203.805
1902	19.077	23.855	15.745	15.673	113.122	531	188.002	215.644
1903	18.194	29.638	17.070	22.153	111.485	427	198.966	228.220
1904	22.033	30.300	19.554	25.253	115.144	433	212.717	243.993
1905	20.815	33.849	19.482	26.404	114.443	689	215.682	245.435
1906	19.912	34.434	17.400	27.159	132.339	783	232.026	265.716
1907	23.973	41.066	23.760	29.871	132.298	720	251.688	291.441

**Table B.3.:
Agricultural Exports at Current Prices
(thousand guilders)**

	Unprocessed			Processed			Total	
	Arable Crops	Livestock	Horti- culture	Arable Crops	Livestock	Horti- culture	Original	Re- estimated
<i>4. 1905-1926</i>								
1905	21.642	34.727	17.107	26.404	115.000	1.515	216.394	245.435
1906	20.908	35.273	15.901	27.159	133.342	1.693	234.275	265.716
1907	24.931	41.632	24.108	29.871	134.652	1.763	256.957	291.441
1908	22.963	42.355	19.500	31.186	138.584	1.539	256.127	290.500
1909	28.874	45.414	23.846	35.073	153.075	1.910	288.192	326.868
1910	24.576	45.117	24.977	38.510	155.020	3.002	291.203	330.283
1911	39.887	43.984	33.013	42.209	163.049	2.642	324.784	368.372
1912	34.301	64.405	32.432	42.870	186.687	2.807	363.501	412.285
1913	28.875	53.884	33.169	36.481	207.495	2.838	362.742	411.423
1914	42.095	55.650	45.395	35.088	222.121	5.178	405.528	459.951
1915	47.146	46.387	78.830	58.173	311.874	12.157	554.567	571.115
1916	65.957	98.259	102.173	56.325	333.232	27.043	682.989	703.402
1917	41.066	37.556	61.335	16.971	163.958	61.362	382.248	394.005
1918	12.361	15.714	44.518	5.868	29.796	58.734	166.992	169.908
1919	101.233	31.688	69.998	19.350	194.880	24.641	441.789	487.375
1920	109.266	30.049	57.884	65.031	181.539	19.535	463.304	541.237
1921	92.070	45.518	63.089	58.143	200.290	17.344	476.454	562.292
1922	75.956	56.258	52.770	44.213	175.830	13.673	418.700	480.977
1923	64.649	34.621	54.949	43.599	170.604	10.980	379.402	456.484
1924	86.904	76.290	92.925	60.760	253.845	16.565	587.289	685.055
1925	77.188	59.503	116.550	53.456	299.860	9.746	616.303	711.834
1926	68.105	55.725	99.233	42.531	271.700	9.403	546.697	631.695
<i>5. 1913-1926</i>								
1913	28.875	53.884	33.169	36.481	207.495	2.838	362.742	411.423
1914	42.095	55.650	45.395	35.088	222.121	5.178	405.528	459.951
1915	47.146	46.387	78.830	58.173	311.874	12.157	554.567	571.115
1916	65.957	98.259	102.173	56.325	333.232	27.043	682.989	703.402
1917	41.539	37.583	61.335	18.404	173.782	61.362	394.005	394.005
1918	12.407	15.719	44.518	6.378	32.151	58.734	169.908	169.908
1919	101.647	31.764	69.998	24.167	235.159	24.641	487.375	487.375
1920	109.799	30.297	57.884	71.006	252.716	19.535	541.237	541.237
1921	93.188	45.955	63.089	62.870	279.846	17.344	562.292	562.292
1922	77.026	56.732	52.770	48.296	232.480	13.673	480.977	480.977
1923	65.133	34.964	54.949	47.017	243.441	10.980	456.484	456.484
1924	87.615	78.281	92.925	66.254	343.415	16.565	685.055	685.055
1925	77.815	61.701	116.550	57.034	388.988	9.746	711.834	711.834
1926	68.796	58.592	99.233	45.895	349.776	9.403	631.695	631.695

Source: Calculated from SIUD and "Annual Statistics on Imports, Exports and Transit Trade".

Table B.4.:
Shares in Total Agricultural Exports
(At Current Prices, in %)

	Unprocessed				Processed			
	Arable Crops	Livestock	Horti-culture	Total	Arable Crops	Livestock	Horti-culture	Total
1846	10,5	30,1	1,8	42,4	12,7	44,6	0,3	57,6
1847	14,4	30,7	1,9	46,9	8,4	44,5	0,2	53,1
1848	13,2	30,8	1,5	45,5	8,0	46,3	0,2	54,5
1849	15,1	28,9	2,2	46,1	9,3	44,3	0,3	53,9
1850	14,3	30,1	2,0	46,4	11,0	42,1	0,4	53,6
1851	11,3	32,3	2,7	46,3	11,9	41,5	0,3	53,7
1852	10,4	31,9	2,0	44,3	15,7	39,7	0,4	55,7
1853	10,7	32,1	2,0	44,8	11,0	43,7	0,4	55,2
1854	15,1	30,5	2,0	47,6	9,2	42,7	0,5	52,4
1855	11,0	33,8	2,3	47,1	11,2	41,4	0,4	52,9
1856	12,9	31,3	2,2	46,4	11,2	42,2	0,2	53,6
1857	12,7	30,0	3,6	46,2	12,1	41,4	0,3	53,8
1858	8,4	32,7	3,4	44,4	13,8	41,4	0,3	55,6
1859	8,5	37,7	3,4	49,6	13,9	36,2	0,3	50,4
1860	8,5	31,3	3,3	43,1	12,4	44,3	0,2	56,9
1861	7,5	38,3	3,0	48,7	11,3	39,7	0,2	51,3
1862	9,8	40,2	3,9	53,9	9,1	36,6	0,3	46,1
1863	9,0	42,9	3,0	54,8	10,1	34,9	0,2	45,2
1864	6,8	47,9	3,0	57,7	7,9	34,1	0,3	42,3
1865	17,2	40,1	2,0	59,3	8,4	32,0	0,3	40,7
1866	12,7	24,5	3,4	40,6	8,7	50,4	0,2	59,4
1867	17,1	21,4	3,8	42,3	10,8	46,7	0,3	57,7
1868	17,9	31,4	3,6	52,9	10,2	36,7	0,2	47,1
1869	14,5	33,0	3,0	50,5	8,9	40,4	0,3	49,5
1870	16,9	32,1	2,8	51,8	8,1	39,7	0,3	48,2
1871	14,2	41,9	2,2	58,3	8,5	32,9	0,3	41,7
1872	13,3	40,2	4,8	58,3	9,9	31,5	0,3	41,7
1873	11,3	40,8	2,9	55,0	11,2	33,4	0,4	45,0
1874	14,0	38,9	4,5	57,4	10,7	31,7	0,2	42,6
1875	13,8	42,1	3,3	59,1	9,5	31,2	0,2	40,9
1876	11,0	41,2	3,5	55,7	10,6	33,6	0,1	44,3
1877	11,3	38,2	3,7	53,2	12,5	34,2	0,1	46,8
1878	10,6	36,5	4,2	51,4	14,4	34,1	0,1	48,6
1879	11,7	35,1	4,7	51,5	15,6	32,9	0,1	48,5
1880	9,9	37,7	4,6	52,2	13,5	34,2	0,1	47,8
1881	9,8	35,3	4,8	49,9	14,8	35,0	0,3	50,1
1882	9,5	39,7	3,7	52,9	13,4	33,5	0,2	47,1
1883	7,8	39,0	3,9	50,7	16,3	33,0	0,1	49,3
1884	8,5	38,5	5,8	52,8	14,3	32,8	0,1	47,2
1885	10,2	33,0	6,6	49,9	11,4	38,6	0,2	50,1

Table B.4.:
Shares in Total Agricultural Exports
(At Current Prices, in %)

	Unprocessed				Processed			
	Arable Crops	Livestock	Horti-culture	Total	Arable Crops	Livestock	Horti-culture	Total
1886	12,8	36,6	6,2	55,6	10,3	33,9	0,2	44,4
1887	13,8	30,7	7,3	51,8	10,7	37,2	0,4	48,2
1888	14,2	28,4	6,3	48,9	11,3	39,6	0,2	51,1
1889	10,4	31,7	7,1	49,3	12,2	38,4	0,1	50,7
1890	10,4	33,9	7,0	51,4	12,3	36,2	0,1	48,6
1891	12,1	35,0	6,1	53,2	13,5	33,2	0,1	46,8
1892	10,2	33,0	8,7	51,9	11,5	36,4	0,1	48,1
1893	11,9	30,6	8,6	51,1	12,8	35,9	0,2	48,9
1894	12,8	21,3	9,9	44,0	12,3	43,4	0,2	56,0
1895	13,4	17,6	9,6	40,6	11,2	48,0	0,2	59,4
1896	10,1	22,6	9,2	41,8	12,9	45,1	0,2	58,2
1897	9,4	13,1	12,3	34,8	13,0	52,1	0,1	65,2
1898	7,5	14,5	10,1	32,1	12,7	55,0	0,3	67,9
1899	8,8	13,6	11,3	33,8	10,9	55,1	0,2	66,2
1900	10,7	11,1	9,2	31,0	11,7	56,9	0,3	69,0
1901	10,0	11,8	9,3	31,2	9,9	58,7	0,2	68,8
1902	10,1	12,7	8,4	31,2	8,3	60,2	0,3	68,8
1903	9,1	14,9	8,6	32,6	11,1	56,0	0,2	67,4
1904	10,4	14,2	9,2	33,8	11,9	54,1	0,2	66,2
1905	10,0	16,0	7,9	34,0	12,2	53,1	0,7	66,0
1906	8,9	15,1	6,8	30,8	11,6	56,9	0,7	69,2
1907	9,7	16,2	9,4	35,3	11,6	52,4	0,7	64,7
1908	9,0	16,5	7,6	33,1	12,2	54,1	0,6	66,9
1909	10,0	15,8	8,3	34,1	12,2	53,1	0,7	65,9
1910	8,4	15,5	8,6	32,5	13,2	53,2	1,0	67,5
1911	12,3	13,5	10,2	36,0	13,0	50,2	0,8	64,0
1912	9,4	17,7	8,9	36,1	11,8	51,4	0,8	63,9
1913	8,0	14,9	9,1	32,0	10,1	57,2	0,8	68,0
1914	10,4	13,7	11,2	35,3	8,7	54,8	1,3	64,7
1915	8,5	8,4	14,2	31,1	10,5	56,2	2,2	68,9
1916	9,7	14,4	15,0	39,0	8,3	48,8	4,0	61,0
1917	10,5	9,5	15,6	35,6	4,7	44,1	15,6	64,4
1918	7,3	9,3	26,2	42,8	3,8	18,9	34,6	57,2
1919	20,9	6,5	14,4	41,7	5,0	48,3	5,1	58,3
1920	20,3	5,6	10,7	36,6	13,1	46,7	3,6	63,4
1921	16,6	8,2	11,2	36,0	11,2	49,8	3,1	64,0
1922	16,0	11,8	11,0	38,8	10,0	48,3	2,8	61,2
1923	14,3	7,7	12,0	34,0	10,3	53,3	2,4	66,0
1924	12,8	11,4	13,6	37,8	9,7	50,1	2,4	62,2
1925	10,9	8,7	16,4	36,0	8,0	54,6	1,4	64,0
1926	10,9	9,3	15,7	35,9	7,3	55,4	1,5	64,1

Source: Calculated from table B.3.

Table B.5.:
Agricultural Exports per Capita
(index, 1860=100)

	Total Agricultural Exports (index)	Total Population (thousands)	Per Capita Exports (index)		Total Agricultural Exports (index)	Total Population (thousands)	Per Capita Exports (index)
1846	52	2.900	61	1891	204	4.622	149
1847	60	2.940	69	1892	197	4.670	143
1848	57	2.975	64	1893	206	4.733	147
1849	63	3.010	70	1894	195	4.796	137
1850	67	3.057	74	1895	206	4.859	143
1851	68	3.119	74	1896	218	4.929	149
1852	75	3.168	80	1897	222	5.004	150
1853	78	3.203	83	1898	228	5.075	152
1854	84	3.239	87	1899	258	5.140	169
1855	85	3.261	89	1900	264	5.179	172
1856	87	3.298	89	1901	271	5.263	174
1857	87	3.329	88	1902	283	5.347	179
1858	83	3.349	84	1903	289	5.431	180
1859	98	3.357	99	1904	291	5.510	179
1860	100	3.378	100	1905	291	5.591	176
1861	100	3.398	100	1906	304	5.672	181
1862	105	3.419	103	1907	339	5.747	199
1863	124	3.455	121	1908	349	5.825	202
1864	138	3.491	134	1909	366	5.858	211
1865	156	3.530	149	1910	355	5.946	202
1866	114	3.553	109	1911	368	6.022	206
1867	113	3.592	106	1912	415	6.114	229
1868	140	3.628	130	1913	419	6.213	228
1869	154	3.584	145	1914	434	6.340	231
1870	153	3.618	143	1915	434	6.449	227
1871	169	3.637	157	1916	421	6.583	216
1872	147	3.675	135	1917	241	6.725	121
1873	144	3.716	131	1918	84	6.779	42
1874	158	3.767	141	1919	199	6.831	99
1875	174	3.810	155	1920	250	6.865	123
1876	163	3.865	142	1921	324	6.977	157
1877	157	3.925	135	1922	358	7.087	171
1878	149	3.982	127	1923	348	7.213	163
1879	141	4.037	118	1924	502	7.315	232
1880	143	4.061	119	1925	498	7.416	227
1881	141	4.114	116	1926	501	7.526	225
1882	149	4.173	121				
1883	144	4.225	115				
1884	160	4.278	127				
1885	173	4.336	135				

Table B.5.:
Agricultural Exports per Capita
(index, 1860=100)

	Total Agricultural Exports (index)	Total Population (thousands)	Per Capita Exports (index)		Total Agricultural Exports (index)	Total Population (thousands)	Per Capita Exports (index)
1886	181	4.391	139				
1887	184	4.451	140				
1888	186	4.506	139				
1889	179	4.549	133				
1890	186	4.565	138				

Source: Total exports from table B.2, population from H. van der Meulen, Available Evidence on Dutch Economic Growth 1600-1900, in: "Economic Growth in Northwestern Europe: The Last 400 years", Research Memorandum nr. 214, University of Groningen, 1987.

Table B.6:
Agricultural Production and Exports
(at current prices thousand guilders)

Agricultural Production					Agricultural Exports	
Arable Crops		Livestock	Horticulture	Total	Total	As % of production
1870	169.155	215.286	24.974	409.415	145.154	35,5
1871	158.341	223.650	25.683	407.674	173.271	42,5
1872	179.480	229.992	30.348	439.820	156.182	35,5
1873	174.531	257.521	28.558	460.610	158.271	34,4
1874	192.381	252.726	31.453	476.560	186.856	39,2
1875	181.155	237.629	30.073	448.857	199.197	44,4
1876	169.123	255.336	30.481	454.940	174.681	38,4
1877	152.957	254.015	30.162	437.134	169.134	38,7
1878	147.215	236.441	30.659	414.315	150.824	36,4
1879	137.834	209.401	29.785	377.020	133.532	35,4
1880	173.945	242.162	34.225	450.332	144.704	32,1
1881	170.246	241.140	31.918	443.304	134.269	30,3
1882	170.566	256.301	32.624	459.491	145.084	31,6
1883	168.246	247.686	33.239	449.171	137.436	30,6
1884	140.836	232.475	30.705	404.016	149.610	37,0
1885	137.853	220.104	30.704	388.661	136.613	35,1
1886	127.258	219.041	28.890	375.189	140.522	37,5
1887	143.726	217.119	30.952	391.797	139.320	35,6
1888	111.159	226.183	30.534	367.876	149.317	40,6
1889	143.934	248.125	35.486	427.545	145.172	34,0
1890	133.722	258.037	34.529	426.288	142.851	33,5
1891	138.058	234.997	35.101	408.156	156.733	38,4
1892	128.148	244.403	34.164	406.715	151.762	37,3
1893	115.045	224.786	34.845	374.676	163.468	43,6
1894	110.365	221.359	35.634	367.358	140.295	38,2
1895	111.779	221.697	34.599	368.075	148.054	40,2
1896	125.731	222.814	33.632	382.177	148.430	38,8
1897	132.862	235.775	41.872	410.509	155.764	37,9
1898	144.729	263.300	38.881	446.910	167.298	37,4
1899	160.499	264.852	42.068	467.419	191.787	41,0
1900	151.194	295.210	45.230	491.634	200.533	40,8
1901	179.747	307.175	48.746	535.668	203.805	38,0
1902	160.731	331.428	48.081	540.240	215.644	39,9
1903	154.113	323.363	48.379	525.855	228.220	43,4
1904	178.490	320.906	51.814	551.210	243.993	44,3
1905	161.805	367.947	54.319	584.071	245.435	42,0
1906	170.575	396.956	57.503	625.034	265.716	42,5
1907	188.911	396.061	60.692	645.664	291.441	45,1
1908	183.404	417.587	63.087	664.078	290.500	43,7
1909	187.723	405.941	66.696	660.360	326.868	49,5
1910	172.039	461.038	69.561	702.638	330.283	47,0
1911	242.164	458.440	77.845	778.449	368.372	47,3
1912	227.835	523.303	87.186	838.324	412.285	49,2

Table B.6:
Agricultural Production and Exports
(at current prices thousand guilders)

Agricultural Production					Agricultural Exports	
Arable Crops		Livestock	Horticulture	Total	Total	As % of production
1913	193.660	529.043	85.690	808.393	411.423	50,9
1914	238.397	588.847	94.990	922.234	459.951	49,9
1915	344.336	815.443	150.706	1.310.485	571.115	43,6
1916	378.446	923.505	157.635	1.459.586	703.402	48,2
1917	424.505	947.110	190.589	1.562.204	394.005	25,2
1918	492.016	525.789	138.792	1.156.597	169.908	14,7
1919	578.379	816.523	215.839	1.610.741	487.375	30,3
1920	700.679	1.138.038	222.625	2.061.342	541.237	26,3
1921	484.318	1.159.106	178.554	1.821.978	562.292	30,9
1922	490.129	964.812	150.954	1.605.895	480.977	30,0
1923	291.388	932.170	145.075	1.368.633	456.484	33,4
1924	427.167	1.040.088	177.650	1.644.905	685.055	41,6
1925	380.930	1.133.732	187.205	1.701.867	711.834	41,8
1926	305.115	1.112.302	168.061	1.585.478	631.695	39,8

Source: Production from M. Knibbe, "Dutch Agricultural Production, 1870-1950, (forthcoming), total exports from table B.3.

Table B.7.:
Export Price Indices, main groups
(Paasche indices, 1860 = 100)

	Unprocessed		Processed		Total	Total
	Arable Crops	Livestock	Arable Crops	Livestock	Horti- culture	Agri- culture
1846	88	84	91	70	95	79
1847	99	89	72	80	95	85
1848	76	91	64	76	87	79
1849	76	84	64	72	96	75
1850	77	81	66	68	86	73
1851	77	74	66	60	59	66
1852	74	77	77	63	82	70
1853	95	84	86	82	94	85
1854	102	89	73	83	121	88
1855	106	97	87	89	109	94
1856	89	108	86	97	125	99
1857	88	105	97	98	132	100
1858	88	90	84	91	108	90
1859	90	98	94	91	144	95
1860	100	100	100	100	100	100
1861	101	112	95	91	115	101
1862	83	110	80	95	103	97
1863	87	116	77	92	100	99
1864	86	123	72	102	85	105
1865	95	122	78	106	121	107
1866	94	111	67	103	91	98
1867	100	100	77	104	124	98
1868	97	107	76	109	107	101
1869	95	111	74	112	106	103
1870	103	116	79	114	115	109
1871	103	128	101	118	110	118
1872	101	150	102	117	123	122
1873	91	166	81	128	113	127
1874	120	170	95	126	161	136
1875	127	162	86	122	160	131
1876	110	158	69	120	129	123
1877	99	157	86	118	125	124
1878	103	151	82	106	103	116
1879	117	128	71	102	127	109
1880	106	145	72	114	122	117
1881	95	125	72	113	133	110
1882	90	137	70	114	123	112
1883	86	135	68	115	92	110
1884	94	137	66	102	114	107
1885	88	112	46	95	105	91
1886	89	109	39	94	102	90
1887	91	97	36	99	108	87
1888	107	96	44	103	127	93

Table B.7.:
Export Price Indices, main groups
(Paasche indices, 1860 = 100)

	Unprocessed		Processed		Total	Total
	Arable Crops	Livestock	Arable Crops	Livestock	Horti- culture	Agri- culture
1889	86	117	43	102	99	94
1890	78	112	41	97	87	88
1891	82	100	48	97	92	89
1892	76	99	43	101	103	89
1893	90	103	40	103	110	91
1894	88	100	33	95	101	83
1895	81	98	32	100	98	83
1896	72	89	35	94	88	79
1897	73	93	34	99	94	81
1898	72	93	38	103	102	85
1899	77	94	38	103	113	86
1900	88	89	38	109	92	87
1901	84	83	34	114	87	87
1902	81	83	31	118	84	88
1903	92	95	35	115	96	91
1904	94	108	37	121	98	96
1905	84	117	40	124	87	97
1906	84	119	33	137	87	101
1907	81	109	36	136	83	99
1908	81	103	39	130	84	96
1909	93	109	42	137	97	103
1910	94	118	45	142	98	107
1911	112	120	45	151	119	115
1912	96	126	44	157	100	114
1913	90	132	38	158	93	113
1914	116	133	40	159	125	122
1915	151	184	57	222	170	167
1916	227	227	67	262	271	212
1917	243	272	67	264	238	210
1918	336	413	70	315	291	263
1919	285	408	169	424	261	304
1920	267	353	197	316	261	263
1921	173	294	115	261	240	209
1922	166	189	77	192	199	164
1923	140	182	71	194	199	157
1924	164	154	80	202	229	165
1925	151	190	99	212	237	174
1926	130	166	85	189	208	153

Source: Calculated from SIUD, "Annual Statistics on Imports, Exports and Transit Trade" and various price sources.

Appendix C. Basic Prices and Quantities

Table C.1.A:
Export Quantities, Unprocessed Arable Crops
(in tons)

	Pota- toes	Sugar- beet	Chicory Unpro- cessed	Pro- cessed	Wheat	Rye	Barley	Oats	Grains Buck- wheat	Beans	Peas	Millet
1846	4775		304	1998				15069		797	0	6
1847	16771		294	2812				22619		5562	1287	22
1848	13833		374	2060				29878		10991	0	2
1849	21314		336	2232				31418		16010	1147	0
1850	42168		264	1860				29843		10744	0	2
1851	17405		118	1852				17668		6035	0	0
1852	20668		242	2358				18407		9921	0	0
1853	15929		516	4308				16106		10989	1035	0
1854	32164		536	3034				33232		16986	0	0
1855	25833		230	3364				22119		8764	0	0
1856	50330		280	4274				38844		13364	1534	4
1857	77919		376	4592				20484		14851	210	4
1858	36879		46	3468				2181		7863	0	0
1859	38540		238	6381				12160		8931	0	6
1860	27041		204	2859				15681		5868	0	0
1861	20821		152	3372				22249		1112	0	10
1862	73223		130	3395				33341		3580	0	0
1863	70255		336	3743				28743		4008	0	2
1864	64853		8	3900				14927		5757	0	0
1865	51580		214	5885				41560		10873	520	2
1866	33762		104	3480				20613		4295	0	0
1867	46678	17386	78	6750				22974		1134	0	0
1868	100415	19253	220	6335				33988		1754	1445	0
1869	77883	33372	268	5274				34354		2400	0	0
1870	64944	141091	206	4098				24671		1466	0	16
1871	51494	91203	174	5316				24316		0	0	1
1872	74209	68518	323	6255				36731		4555	27	0
1873	69051	98576	162	5814				17240		4095	0	4
1874	43502	61711	50	6602				30432		6189	0	0
1875	54260	118497	21	5403				26794		2743	0	7
1876	51711	67241	111	4096				30244		2721	0	0
1877	44043	45166	487	5047				28855		450	0	11
1878	41818	89264	1379	5502				19477		1441	0	6
1879	31893	82185	382	3833				0		0	0	14
1880	33838	121403	222	3887				6939		0	250	0
1881	17594	105595	389	2852				7358		1979	840	6
1882	22006	137800	436	2853				24945		3995	0	16
1883	19824	144617	1961	3281				6289		0	0	1
1884	28725	135015	2197	2312				14352		0	0	143
1885	40102	80270	1713	3809				21242		0	0	7
1886	30138	120802	367	2085				32896		1732	0	3
1887	36575	119902	2147	2659				23546		5036	0	18
1888	71193	98427	747	1116				0		0	0	61
1889	39368	147705	674	2088				0		2443	20	125
1890	62241	102758	220	839				0		2853	0	47
1891	76874	81463	575	1824				0		0	0	164
1892	73290	135778	846	1752				0		409	2021	34
1893	84470	148007	1368	2632				0		5685	2518	176
1894	68081	150328	752	1435				0		1923	0	12

**Table C.1.A.:
Export Quantities, Unprocessed Arable Crops
(in tons)**

	Pota- toes	Sugar- beet	Chicory		Wheat	Rye	Barley	Grains				
			Unpro- cessed	Pro- cessed				Oats	Buck- wheat	Beans	Peas	Millet
1895	81533	155793	149	2776				0		4386	0	45
1896	113350	248216	224	1905				0		6939	195	43
1897	108133	149433	150	4227				0		7732	0	187
1898	87674	187564	175	3500				0		2509	203	230
1899	102416	273010	235	4004				0		5888	2483	468
1900	141816	249603	86	0				0		9427	2181	180
1901	107412	263779	305	4808				0		10549	2758	556
1902	118814	156073	329	4326				0		4111	2436	309
1903	109782	165103	175	3892				0		0	0	348
1904	164817	130582	171	4421				0		0	0	167
1905	172562	314537	71	2078				0		7996	0	290
1906	162408	224703	67	2008				0		0	0	269
1907	281572	220026	57	2518				0		0	0	702
1908	284630	280313	60	1760				0		0	0	463
1909	275276	287218	247	1941				0		0	0	1637
1910	205020	291517	176	2709				0		0	0	2222
1911	457613	304207	505	3244				0		0	0	1448
1912	469753	390916	29	3720				0		0	0	2460
1913	415817	287919	56	2195				0		0	0	3138
1914	414619	168360	420	3742				0		0	0	2058
1915	240028	135208	85	85				0		1367	12984	53
1916	218814	99953	0	5202				0		18884	8454	3
1917	61869	23960	0	1322	20020	8	500	0	0	478	217	3
1918	12647	0	0	0	7	3	2	5	0	7	29	0
1919	368755	127797	0	510	7033	12266	762	1848	0	23624	27902	1
1920	392571	227649	0	3258	28252	53035	26219	6282	0	12067	22786	0
1921	498626	336393	0	4467	28271	31963	6956	6583	142	13837	34675	84
1922	314013	390253	130	2571	37277	19671	8366	9658	292	12623	43104	192
1923	364661	443551	208	2160	18655	12447	11263	10127	595	16455	51832	368
1924	417610	438979	125	3076	4772	12404	17600	8066	648	17874	48143	0
1925	423262	361251	1	3707	13434	19468	11216	6182	691	19999	41411	0
1926	500419	262193	0	3053	12356	14800	10254	2894	963	15280	42580	0

Source: SIUD and "Annual Statistics on Imports, Exports and Transit Trade".

Table C.1.A.:
Export Quantities, Unprocessed Arable Crops (continued)
(in tons)

	Mixed Grains	Untr. Grains	Hay	Veget. Fibres	Hemp		Straw	Cattle Fodder	Flax		Seeds:	
					Unha- ckled	Hack- led			Unpro- cessed	Raw	Canary Seed	Beet Seed
1846			4998		0	16	2000		5480		1324	
1847			7561		0	6	4222		6344		405	
1848			4109		0	6	2556		7586		469	
1849			3148		0	6	1222		7332		651	
1850			3274		0	54	3000		806		932	
1851			3532		0	2	2500		7534		45	
1852			3941		0	16	3000		11204		608	
1853			3423		0	26	3500		9654		927	
1854			5074		0	22	8167		10780		420	
1855			3378		0	8	2957		11494		536	
1856			4337		0	28	2826		12320		1000	
1857			4640		0	18	2130		11538		1210	
1858			4312		0	18	2087		12670		1313	
1859			15500		0	9	3217		9542		2283	
1860			35690		0	14	1393		13332		2155	
1861			16033		0	27	750		15140		1345	
1862			10505		0	26	1393		14516		784	
1863			12189		0	92	2179		20258		1189	
1864			10508		0	41	2821		29026		904	
1865			10285		0	43	8600		5456	17031	2298	
1866			10562		0	39	6200		3426	7501	913	
1867			2716		0	53	433		3504	10042	953	
1868	38	36	28211		0	77	3833		4392	10705	1421	
1869	16	50	25309		0	98	7433		9656	9975	102	
1870		55	20763		0	67	13228		9108	14547	640	
1871		232	13944		0	125	16632		7214	15885	1292	
1872	0	1629	6911	133	0	28	9151		7550	9571	1165	
1873	0	771	12513	85	0	80	11556		8762	11405	499	
1874	0	2101	18055	31	0	476	21854		9142	11499	1788	
1875	0	1902	28719	5	0	508	11926		7750	11650	589	
1876	0	2669	15262	79	0	89	27087		8173	7421	3702	
1877	0	2797	13810	219	0	96	28056		6665	10882	5440	
1878	13	1922	10268	29	0	126	16469		6670	7363	3216	
1879	0	2193	10440	100	0	69	17421		6671	9013	2776	
1880	110	2262	8853	186	0	78	23395		7715	7471	2048	
1881	1	1509	16019	238	0	126	31142		8344	8056	2033	
1882	0	1751	12032	121	0	95	28986		9144	6357	1725	
1883	0	1575	7945	195	0	97	29543		7793	6489	2667	
1884	0	1557	12693	579	0	60	32796		7557	5848	3350	
1885	5	1959	24165	413	0	154	40490		9621	6594	3778	
1886	14	2399	26572	264	0	196	36831		10562	9419	4020	
1887	0	3402	32511	139	0	149	39345		12348	9678	5257	
1888	40	3066	23440	293	0	72	38874		13774	10645	4044	
1889	55	3448	10408	118	0	45	26681		18291	9405	3447	
1890	37	3909	11223	188	0	9	37074		16349	10449	2312	
1891	25	3812	14519	1070	0	1351	19166		14510	12461	826	
1892	45	5044	21145	1064	0	425	23871		15972	9963	1975	
1893	33	4739	40710	690	0	247	31184		15157	8837	1646	
1894	38	4705	21256	228	0	1696	31141		17962	7750	2305	

**Table C.1.A.:
Export Quantities, Unprocessed Arable Crops (continued)
(in tons)**

	Mixed Grains	Untr. Grains	Hay	Veget. Fibres	Hemp		Straw	Cattle Fodder	Flax		Seeds:	
					Unha- ckled	Hack- led			Unpro- cessed	Raw	Canary Seed	Beet Seed
1895	33	5489	26548	272	0	1795	14835		17234	10324	1133	
1896	83	6911	42004	368	0	640	27475		17791	5491	847	
1897	143	8307	42276	248	0	1025	25645		14500	5050	988	
1898	131	10522	33772	399	0	711	11904		15431	4493	722	
1899	214	10431	44501	376	0	1448	16940		13589	4278	1577	
1900	127	9951	42918	291	0	1665	21692		18918	4566	973	
1901	98	8392	63282	313	0	1339	20106		24565	4380	1288	
1902	1304	14427	71884	361	0	1522	26457		31025	6746	1647	
1903	89	15238	48242	624	0	912	20652		25671	6284	1589	
1904	111	11993	47766	2666	0	128	21320		53961	7021	1981	
1905	103	15116	43643	584	0	477	21317		30770	7248	2385	1274
1906	142	12238	51618	586	0	423	34004		26273	9668	1851	1307
1907	80	12882	65938	682	0	1303	36195		35371	9124	1080	1060
1908	87	17345	47954	759	0	421	31068		36091	7435	491	671
1909	95	14653	50279	707	0	1891	32540		27556	8064	1102	660
1910	89	10219	36787	902	0	1442	34286		24581	7012	647	284
1911	86	11171	51942	875	0	1211	42123		34697	5459	1176	471
1912	141	8425	47802	4438	0	1391	43515		33732	3664	2262	436
1913	36	10173	46864	6929	0	560	36382		28067	3313	2738	1695
1914	32	4038	39588	7939	0	1126	37387		21138	7551	4591	4146
1915	0	4555	28741	4780	0	661	56682		476	10769	7095	1539
1916	1	3259	4530	451	0	1	8700		20	13827	3347	737
1917	0	0	56	0	1	0	4052	280	0	11416	1	704
1918	0	0	13	0	0	0	2736	0	0	2438	0	7
1919	1	8	128	375	68	35	7034	3128	4	6360	26	401
1920	2	3	3727	660	536	57	11937	4375	1453	3720	512	659
1921	1	520	25967	661	1037	33	51618	33681	19971	7378	1043	802
1922	2	924	14403	713	599	7	100424	32340	24611	6027	755	951
1923	0	852	18827	822	136	53	30449	9621	13897	3653	2456	1120
1924	393	1025	41640	1141	154	20	18250	8903	33321	5344	2309	1215
1925	334	1238	24038	954	204	4	26645	6999	29873	4092	7019	964
1926	640	1185	15166	1181	386	1	14254	8066	30514	4296	3598	1269

Source: SIUD and "Annual Statistics on Imports, Exports and Transit Trade".

Table C.1.A.:
Export Quantities, Unprocessed Arable Crops (continued)
(in tons)

Tree Seed	Grass Seed	"Karwij" Seed	Clover Seed	Mustard Seed	Seeds		"Krok/ Deder" Seed	Hemp Seed	Cole/ Rape Seed	Other Oil Seed	Flower and Vegeta. Seed	Lin Seed
					Spurry Seed							
1846			2034	500	0	0	925				80	
1847			1652	816	0	0	1084				86	
1848			592	1395	0	0	1081				74	
1849			632	1293	0	0	1334				56	
1850			882	1325	0	0	1019				56	
1851			1792	1315	0	0	1462				204	
1852			955	1465	0	0	1254				262	
1853			917	1699	0	0	510				72	
1854			885	1449	0	0	1198				142	
1855			1254	1417	0	0	1337				62	
1856			675	1255	0	0	809				84	
1857			1140	1933	0	0	1632				76	
1858			1389	2251	0	0	129				88	
1859			405	1519	0	0	1771				86	
1860			770	1895	0	0	736				62	
1861			397	1465	0	0	1406				80	
1862			697	1877	0	0	832				70	
1863			1037	2237	0	0	1584				126	
1864			1249	1945			1006				148	
1865			811	2383		96	966				148	
1866			483	2192			862				222	
1867			1243	1818		1	793				158	
1868			1648	2374			986				238	
1869			2328	1991		53	706				227	
1870			1233	2568			707				336	
1871			882	3535		4	755				209	
1872			1035	2586		29	530				211	
1873			726	1882		7	524				278	
1874			913	2324		1	442				435	
1875			438	2155		0	657				274	
1876			744	2512		0	124				229	
1877			877	2158		0	214				383	
1878			1072	2320		49	365				668	
1879			1160	2312		1	112				813	
1880			938	1948		0	92				577	
1881			920	2354		0	142				244	
1882			1083	1840		55	150				248	
1883			1166	2170		0	292				205	
1884			1139	2084		0	295				186	
1885			727	2527		0	290				311	
1886			1247	2295		0	174				330	
1887			759	2637		49	185				327	
1888			975	3053		5	559				231	
1889			437	2632		331	462				226	
1890			1368	2092		51	336				271	
1891			513	3388		44	351				241	
1892			646	2103		75	302				317	
1893			1038	2299		51	267				367	
1894			892	1877		103	313				486	

**Table C.1.A.:
Export Quantities, Unprocessed Arable Crops (continued)
(in tons)**

	Tree Seed	Grass Seed	"Karwij" Seed	Clover Seed	Mustard Seed	Seeds Spurry Seed	"Krok/ Deder" Seed	Hemp Seed	Cole/ Rape Seed	Other Oil Seed	Flower and Vegeta. Seed	Lin Seed
1895				585	2289		1	511			567	
1896				659	2246		2	293			537	
1897				558	2364		0	219			612	
1898				944	2478		0	216			553	
1899				1387	2993		0	524			869	
1900				1610	4141		61	351			815	
1901				651	3052		542	198			1152	
1902				1485	4003		12	446			1168	
1903				1836	3428		214	399			1168	
1904				2155	3096		0	731			1323	
1905	17		4669	879	3635	35	0	1001			724	
1906	53		5952	550	2698	50	1	1097			1023	
1907	34		6286	1031	2634	91	73	939			854	
1908	32		5429	1083	3289	23	75	620			973	
1909	119		8312	1268	4047	39	0	739			852	
1910	143		6149	1359	3737	67	0	983			1151	
1911	24		8988	1529	3565	81	11	494			2404	
1912	37		4298	1339	3946	63	15	1288			2061	
1913	60		6635	1511	3792	65	0	819			2721	
1914	87		8062	1742	3060	129	0	915			3656	
1915	190		6427	1137	3926	11	0	160			3615	
1916	194		3102	131	852	76	0	0			3119	
1917	0	6	109	5	0			0	0	0	93	6027
1918	0	30	0	50	10			0	0	18	102	4532
1919	8	258	2771	72	950			19	14	140	8988	2294
1920	27	347	3767	311	1261			144	1468	1001	3038	4452
1921	20	545	3562	434	2214			478	3137	2666	2477	5328
1922	4	530	3175	643	2041			717	1485	3149	3302	5111
1923		641	3190	504	3337			662	2969	1524	3812	3939
1924		894	8862	381	4662			746	2703	4466	5541	4186
1925		952	6749	274	5111			676	2547	4927	6173	5905
1926		831	5594	770	6317			627	3417	6569	6914	5859
Turnips												
1917	8315											
1918	466											
1919	945											
1920	1151											
1921	2043											
1922	741											
1923	1570											
1924	7204											
1925	6626											
1926	2742											

Source: SIUD and "Annual Statistics on Imports, Exports and Transit Trade".

Table C.1.B.:
Export Quantities, Unprocessed Livestock
(1000 Heads)

	Goats	Don- keys	Poultry	Various	Stallions	Foals/ Young	Horses			
							Foals	>3 Years	>3 Years	Other
							>145 CM	>145 CM	>3 Years	Slaugh- ter
1846					5,0	0,1				
1847					4,6	1,3				
1848					4,3	1,2				
1849					3,3	1,2				
1850					3,5	1,5				
1851					2,8	1,9				
1852					4,1	2,1				
1853					4,9	2,1				
1854					5,6	2,3				
1855					4,8	2,0				
1856					4,2	1,8				
1857					3,5	1,6				
1858					2,7	1,1				
1859					3,6	2,1				
1860					3,0	2,0				
1861					3,3	2,6				
1862					3,3	3,1				
1863					4,2	2,2				
1864					4,8	2,0				
1865					4,6	1,5				
1866					9,1	1,3				
1867					5,9	2,6				
1868					7,4	2,3				
1869					8,0	1,4				
1870					5,0	2,2				
1871					8,2	2,0				
1872	0,0		0,0		9,9	2,1				
1873	0,0		0,0		9,3	1,4				
1874	0,0		0,0		8,1	0,9				
1875	0,0		0,0		11,4	0,8				
1876	0,0		0,0		13,2	0,5				
1877	0,0		0,0		8,6	0,5				
1878	0,0		0,0		8,7	0,6				
1879	0,0		0,0		9,3	0,6				
1880	0,0		0,0		8,8	1,2				
1881	0,0		0,0		10,9	0,6				
1882	0,0		0,0		10,9	0,7				
1883	0,3		0,0		9,4	1,2				
1884	0,0		0,0		10,0	1,4				
1885	0,0		0,0		8,8	0,7				
1886	0,0		0,0		9,7	0,8				
1887	0,3		0,0		7,9	0,6				
1888	0,3		0,0		8,3	0,6				
1889	0,7		0,0		9,7	1,2				
1890	0,7		0,1		8,9	0,6				
1891	0,7		0,0		8,9	0,6				
1892	0,7		0,0		10,8	0,7				
1893	1,0		0,0		10,0	0,5				
1894	1,3		0,0		12,7	0,9				

**Table C.1.B.:
Export Quantities, Unprocessed Livestock
(1000 Heads)**

	Goats	Don- keys	Poultry	Horses						Other	Slaugh- ter
				Various	Stallions	Foals/ Young	Foals	>3 Years >145 CM	>3 Years >145 CM	>3 Years	
1895	1,0	0,0		14,7		1,1					
1896	1,0	0,0		10,7		1,3					
1897	1,7	0,0		10,4		1,9					
1898	1,7	0,0		10,0		2,4					
1899	1,7	0,0		10,0		2,0					
1900	1,3	0,0		10,2		1,7					
1901	1,0	0,0		9,5		0,8					
1902	1,3	0,0		12,6		1,3					
1903	1,7	0,0		14,8		1,4					
1904	2,3	0,0		17,4		1,5					
1905	2,7	0,0			0,1		0,5	11,6	1,5	3,3	0,1
1906	3,0	0,0			0,0		0,3	9,5	1,7	3,0	0,0
1907	4,0	0,0			0,0		0,2	10,0	1,5	3,8	0,1
1908	4,3	0,0			0,0		0,1	8,2	1,9	4,1	0,1
1909	4,7	0,0			0,0		0,2	10,1	2,5	3,4	0,1
1910	4,0	0,0			0,0		0,2	12,4	3,6	4,6	0,1
1911	2,3	0,0			0,0		0,3	10,7	3,7	3,7	0,1
1912	3,7	0,0			0,0		0,1	12,8	2,3	4,0	0,1
1913	4,0	0,0			0,1		0,2	14,6	2,5	5,1	0,1
1914	2,0	0,0			0,0		1,2	7,7	1,3	19,8	0,0
1915	1,3	0,0			0,2		0,0	0,2	0,0	17,4	0,0
1916	0,0	0,1			0,2		0,0	4,2	1,5	0,0	0,0
1917	0,0	0,0	1		0,3		0,0	0,1	0,0	12,0	0,0
1918	0,0	0,0	0		0,2		0,1	5,0	0,0	9,0	0,0
1919	0,2	0,0	8		0,2		0,3	5,0	0,1	8,0	0,0
1920	0,0	0,0	33		0,0		0,1	11,0	0,2	13,0	0,0
1921	0,2	0,0	128		0,1		0,1	12,0	0,2	4,0	0,0
1922	1,0	0,0	339		0,1		0,1	11,0	1,0	9,0	1,0
1923	0,2	0,0	247		0,1		0,1	9,0	0,3	8,0	0,1
1924	0,2	0,0	1426		0,1		0,0	15,8	0,1	7,0	0,0
1925	0,2	0,0	1634		0,0		0,0	6,5	0,1	4,9	0,0
1926	0,1	0,0	2090		0,0		0,0	2,5	0,2	6,9	0,0

Source: As table C.1.A.

**Table C.1.B.:
Export Quantities, Unprocessed Livestock (continued)
(1000 Heads)**

	Cattle						Pigs	Sheep	Lambs
	Old Calves	Young/ Slaughter	Various, Slaughter	Calves, Slaughter	Breed, Bulls	Breed, Cows/Calves	Breed, Young >1 Year	Breed, Young <1 Year	
1846	46,0	13,0					15,0	102,0	7,0
1847	58,0	24,0					11,0	135,0	10,0
1848	48,0	25,0					12,0	126,0	8,0
1849	49,0	25,0					19,0	132,0	8,0
1850	51,0	33,0					18,0	143,0	12,0
1851	60,0	39,0					22,0	164,0	18,0
1852	65,0	44,0					22,0	185,0	20,0
1853	82,0	46,0					22,0	198,0	19,0
1854	76,0	40,0					24,0	166,0	14,0
1855	84,0	43,0					38,0	177,0	14,0
1856	72,0	36,0					31,0	152,0	20,0
1857	75,0	44,0					34,0	148,0	21,0
1858	77,0	53,0					51,0	155,0	21,0
1859	69,0	41,0					34,0	200,0	25,0
1860	66,0	47,0					46,0	193,0	22,0
1861	82,0	63,0					69,0	219,0	23,0
1862	75,0	59,0					74,0	222,0	32,0
1863	106,0	68,0					78,0	284,0	7,0
1864	153,0	79,0					93,0	316,0	5,0
1865	132,0	65,0					78,0	376,0	12,0
1866	37,0	10,0					40,0	94,0	1,0
1867	26,0	11,0					56,0	164,0	2,0
1868	74,0	38,0					80,0	281,0	2,0
1869	92,0	48,0					57,0	372,0	2,0
1870	100,0	53,0					70,0	387,0	1,0
1871	149,0	74,0					143,0	361,0	4,0
1872	104,7	72,4					59,7	279,5	0,6
1873	81,5	78,9					99,4	304,7	1,4
1874	92,2	79,5					126,3	355,0	1,0
1875	120,3	92,9					97,8	470,3	2,0
1876	98,1	63,7					71,5	447,6	1,4
1877	101,9	53,5					101,9	330,1	1,0
1878	79,4	55,3					117,3	301,1	0,2
1879	75,0	63,1					102,3	326,9	0,6
1880	82,0	62,5					66,9	332,5	1,0
1881	82,8	61,7					60,4	282,0	0,6
1882	93,4	61,5					112,7	315,3	0,6
1883	70,3	68,9					117,6	183,8	0,2
1884	67,6	64,6					96,0	207,8	0,2
1885	60,6	70,6					111,7	248,2	0,2
1886	74,9	65,7					134,2	293,3	0,4
1887	79,2	66,1					105,7	282,4	0,2
1888	80,2	61,6					69,1	339,6	0,6
1889	54,6	63,2					94,5	242,5	1,8
1890	50,8	58,1					320,4	153,2	5,8
1891	91,3	61,8					327,0	282,4	7,2
1892	77,1	23,4					171,8	89,8	15,4
1893	101,2	19,0					91,4	47,2	10,6
1894	47,8	12,6					56,0	48,3	5,0

**Table C.1.B.:
Export Quantities, Unprocessed Livestock (continued)
(1000 Heads)**

	Old	Young/ Calves	Various, Slaughter	Calves, Slaughter	Cattle		Breed, Young ≥1 Year	Breed, Young ≥1 Year	Pigs	Sheep	Lambs
					Breed, Bulls	Breed, Cows/Calves					
1895	40,2	6,2							17,1	21,5	4,8
1896	87,2	19,9							42,6	56,5	5,4
1897	29,5	7,6							3,4	44,4	3,4
1898	34,5	9,1							5,1	63,9	6,6
1899	45,0	6,3							5,9	53,1	21,2
1900	49,4	5,6							3,6	48,5	21,0
1901	43,4	2,9							3,5	46,0	20,4
1902	49,5	4,2							3,2	58,5	21,4
1903	50,5	6,8							6,0	45,2	19,4
1904	42,3	7,3							1,8	41,4	13,0
1905			26,0	6,8	0,2	19,6	2,2	0,7	1,6	42,4	19,1
1906			24,0	6,9	0,2	21,1	0,8	1,2	5,0	46,2	24,0
1907			29,7	16,3	0,2	18,3	0,4	1,1	452,2	36,5	19,0
1908			44,2	25,4	0,2	19,3	0,4	1,9	272,7	47,9	25,9
1909			61,4	21,8	0,4	22,8	0,5	2,2	20,8	118,9	35,0
1910			44,0	19,1	0,2	22,5	0,5	0,8	11,5	51,8	25,0
1911			27,7	9,3	0,0	5,8	0,2	0,2	214,0	42,3	24,7
1912			44,6	13,0	0,1	18,0	0,9	0,5	343,3	63,4	41,0
1913			32,0	8,7	0,2	17,2	0,6	0,9	36,4	45,5	40,1
1914			84,3	31,3	0,1	8,1	0,5	0,4	105,1	27,2	13,7
1915			4,0	0,1	0,5	20,4	0,2	0,7	2,0	11,2	1,6
1916			0,4	0,0	0,5	33,7	0,5	0,3	0,5	0,1	0,0
1917			0,0	0,0	0,0	2,0	0,0	0,0	0,0	0,0	0,0
1918			0,0	0,0	0,0	2,0	0,0	0,0	0,0	0,0	0,0
1919			0,1	0,0	0,2	16,0	5,0	1,0	0,4	2,0	0,0
1920			0,1	0,0	0,2	5,0	1,0	0,3	0,3	1,0	0,2
1921			1,0	11,0	0,2	5,0	6,0	7,0	100,0	22,0	4,0
1922			22,0	43,0	1,0	30,0	11,0	11,0	133,0	105,0	27,0
1923			1,0	2,0	0,4	13,0	3,0	4,0	72,0	5,0	0,2
1924			0,4	2,7	0,2	8,0	1,7	2,6	245,0	1,5	0,1
1925			0,5	1,2	0,2	8,4	2,4	3,6	18,0	4,4	0,4
1926			0,1	1,6	0,2	2,9	1,6	3,2	4,8	6,8	7,2

Source: As table C.1.A.

**Table C.1.B.:
Export Quantities, Unprocessed Livestock
(In tons)**

	Milk (Fresh)	Dung/ Manure	Wax	Wool	Other Live Animals	Bees	Eggs	Honey
1846		7472	46	688		55	38	194
1847		6995	78	406		78	27	32
1848		741	44	314		82	25	10
1849		6386	40	753		177	36	4
1850		6690	116	1092		124	34	4
1851		7476	76	753		152	38	2
1852		8986	120	934		158	29	2
1853		8354	62	952		158	31	4
1854		8544	60	1135		147	29	8
1855		10330	52	1849		122	21	6
1856		1071	72	2019		173	40	2
1857		9465	220	1668		150	32	6
1858		10571	396	1995		67	33	10
1859		9515	165	7445		149	32	15
1860		5591	133	5129		111	39	14
1861		5330	149	3958		105	58	3
1862		5571	235	6086		122	67	4
1863		14469	425	6257		164	60	34
1864		7902	256	7219		121	86	4
1865		9911	270	7996		105	102	3
1866		9117	319	5701		154	120	5
1867		7732	327	5883		153	105	6
1868		6312	627	7694		119	90	1
1869		7226	480	8420		108	73	22
1870		6675	437	6652		83	82	5
1871		6223	614	9864		40	123	12
1872		5520	614	6979		93	511	87
1873		5806	565	6431		68	282	55
1874		5342	568	6835		40	164	62
1875		5818	628	7520		10	218	41
1876		5281	566	7960		60	258	17
1877		5657	756	5926		25	658	16
1878		6123	653	5512		68	267	7
1879		6714	627	5789		38	244	13
1880		2379	594	6786		30	284	6
1881		6813	819	6939		28	562	1
1882		6498	641	7392		20	362	2
1883		8189	473	11965		25	282	55
1884		9231	503	15444		23	249	4
1885		8309	628	12839		55	433	6
1886		9053	315	16584		65	344	18
1887		8440	320	13838		45	347	1
1888		7343	231	13648		43	573	3
1889		6765	581	14488		50	551	5
1890		6805	521	15383		48	491	2
1891		5813	267	16168		18	496	3
1892		7849	460	27027		38	469	8
1893		8255	598	23047		18	489	18
1894		7680	502	14079		63	678	6

**Table C.1.B.:
Export Quantities, Unprocessed Livestock
(In tons)**

	Milk (Fresh)	Dung/ Manure	Wax	Wool	Other Live Animals	Bees	Eggs	Honey
1895		8228	379	13722		53	1127	7
1896		8557	414	10870		53	4422	11
1897		9235	713	10347		45	2533	6
1898		8548	1252	11104		268	4240	16
1899		23986	847	11816		193	3687	38
1900		8684	550	8224		93	3624	40
1901		8006	811	14842		235	3749	77
1902		8850	1263	15608		113	3804	66
1903		8264	859	18394		238	4320	87
1904		10418	1449	14074		133	4773	99
1905		11838	2026	13861		298	4011	109
1906	0	10451	1797	12513		183	7967	46
1907	16	10898	87	9206		138	7898	37
1908	30	11411	706	11957		180	12091	58
1909	7	11009	624	12483		135	15004	31
1910	9	11219	527	9451		195	20102	80
1911	2	10099	540	9721		188	20442	83
1912	261	10216	564	14448		240	21229	150
1913	2	10574	402	13686		253	23104	111
1914	1323	7485	436	4902		190	22178	74
1915	3255	1361	285	44		65	33231	666
1916	0	91	196	71		5	69104	112
1917	0	6	10	0	10	24	22395	1
1918	0	18	0	0	5	53	1205	0
1919	5	507	56	1356	13	22	136	75
1920	13766	1831	127	2149	84	40	560	5
1921	16144	4582	119	1244	116	60	6847	29
1922	3357	8744	128	1284	73	40	9265	125
1923	5052	8828	87	1635	74	20	15147	37
1924	31769	11170	113	748	91	50	63139	33
1925	32500	21311	122	633	90	94	48768	40
1926	4117	19464	130	967	95	112	58803	36

Source: As table C.1.A.

Table C.1.C.:
Export Quantities, Unprocessed Horticulture
(in tons)

	Trees, Plants						Vegetables					
	Bulbs/ Other	Flowers	Hedges	Fruits Trees	Pot Plants	Other Plants	Fresh/ Dried	Cabbage	Cauli- Flower	Onions/ Shallots	Cucum- ber/Gher- kins	Other Vegeta- bles
1846	514						3836					
1847	485						3078					
1848	541						2541					
1849	548						3450					
1850	683						4663					
1851	730						4302					
1852	794						5444					
1853	545						6855					
1854	673						6448					
1855	795						6275					
1856	937						7547					
1857	1056						12107					
1858	1233						9843					
1859	1329						8259					
1860	1306						14970					
1861	1163						22323					
1862	1665						18170					
1863	1859						21757					
1864	1946						30278					
1865	1688						17052					
1866	1784						23077					
1867	1817						20442					
1868	2135						21291					
1869	2300						24709					
1870	2220						21624					
1871	2451						23262					
1872	3343						27164					
1873	4220						29932					
1874	2647						37512					
1875	1544						45630					
1876	2740						43893					
1877	3722						44369					
1878	3141						44111					
1879	3111						29863					
1880	2457						31404					
1881	2748						44092					
1882	3566						28887					
1883	3638						31437					
1884	5786						55097					
1885	5394						62992					
1886	6471						68031					
1887	6471						65607					
1888	5606						53043					
1889	8097						65961					
1890	11580						65540					
1891	9794						59930					
1892	12505						70782					
1893	10043						78268					
1894	10538						76514					

**Table C.1.C.:
Export Quantities, Unprocessed Horticulture
(in tons)**

	Trees, Plants						Vegetables					
	Bulbs/ Other	Flowers	Hedges	Fruits Trees	Pot Plants	Other Plants	Fresh/ Dried	Cabbage	Cauli- Flower	Onions/ Shallots	Cucum- ber/Gher- kins	Other Vegeta- bles
1895	11287						91453					
1896	15165						90355					
1897	12595						130558					
1898	15116						118302					
1899	16366						135284					
1900	16815						158054					
1901	19720						164211					
1902	20425						140655					
1903	20310						131703					
1904	19091						177822					
1905	11651	896	8512	681	244	3050		42224	14288	33818	22353	37924
1906	11896	744	5987	298	480	2048		33571	13028	41616	20517	41356
1907	15317	929	6384	143	200	2714		33713	14774	42715	19316	48708
1908	14343	928	6675	302	196	3181		45035	22996	45361	25780	62437
1909	17871	711	8585	82	149	2861		30647	18858	41344	22459	56947
1910	17294	811	10517	97	152	2909		35188	19286	37269	31826	65152
1911	17327	1003	11628	115	68	1223		43684	14884	41137	45354	70753
1912	22750	1141	12424	173	60	1650		31758	16890	40713	47340	73434
1913	24997	1223	14724	123	270	952		26391	18617	50795	45767	79446
1914	24889	1175	18022	62	120	352		42447	15900	54687	47069	90374
1915	28863	1237	16212	20	294	337		69243	16958	82050	56501	126861
1916	23884	573	14487	23	521	197		85041	12223	61811	48344	115633
1917	14798	166	3383	3	30	1085		82576	9320	47108	48692	90006
1918	11490	134	6370	0	12	1412		40950	10001	15208	26927	73903
1919	14002	329	11627	62	13	3698		81826	13070	56951	22981	76654
1920	16406	191	8064	174	18	624		72043	20049	54587	29067	61083
1921	22813	342	12113	222	76	580		63299	15066	56680	28710	60074
1922	24081	486	12369	627	9	366		71495	14730	66754	19408	61805
1923	24951	458	14462	462	17	261		79883	10634	67690	10976	60827
1924	26369	1337	18468	331	76	1026		121126	32990	78365	29049	117833
1925	31227	1271	17962	157	41	474		109378	41602	83481	52023	133988
1926	33141	1278	15318	215	172	171		97772	39448	90374	52189	131128

Source: As in table C.1.A.:

Table C.1.C:
Export Quantities, Unprocessed Horticulture (continued)
(in tons)

	Straw- Berries	Apples	Pears	Grapes	Cherries	Fruits Berries Goose-	Berries Black	Berries Red/ White	Berries Rasp-/ Bil-	Other Fresh	Fresh/ Tree	Dried Other
1846											1460	
1847											4224	
1848											2052	
1849											4305	
1850											2846	
1851											12363	
1852											2918	
1853											5059	
1854											2776	
1855											6918	
1856											3766	
1857											8316	
1858											8634	
1859											7337	
1860											14133	
1861											3956	
1862											14903	
1863											9038	
1864											18797	
1865											3856	
1866											14044	
1867											7651	
1868											18993	
1869											12464	
1870											12276	
1871											7337	
1872											22573	
1873											2880	
1874											15486	
1875											7961	
1876											9777	
1877											7181	
1878											18735	
1879											14346	
1880											21350	
1881											10855	
1882											8880	
1883											18631	
1884											14333	
1885											23195	
1886											13123	
1887											22643	
1888											13910	29
1889											22373	142
1890											13543	4
1891											15146	69
1892											17399	98
1893											29461	4
1894											37473	232

**Table C.1.C.:
Export Quantities, Unprocessed Horticulture (continued)**
(in tons)

	Fruits										Fresh/ Tree	Dried Other
	Straw- Berries	Apples	Pears	Grapes	Cherries	Berries Goose-	Berries Black	Berries Red/ White	Berries Rasp-/ Bl-	Other Fresh		
1895											32541	453
1896											18638	354
1897											62056	345
1898											16329	692
1899											26491	1751
1900											22392	744
1901											17601	1077
1902											21508	757
1903											13738	1896
1904											24195	2636
1905	1972	19206	2335	15	1023	957	311	911	294	1523		
1906	1864	10536	2912	22	1261	1694	262	598	547	1453		
1907	2385	19362	6156	105	1821	2903	615	1056	240	3483		
1908	2259	20238	2914	87	2045	2257	237	1038	303	3096		
1909	2622	16081	5403	160	2194	2719	1452	771	168	3297		
1910	3850	14306	2057	166	351	2577	562	938	217	2558		
1911	4814	15695	3141	258	1913	2369	452	1076	417	4186		
1912	3834	23162	9808	259	3103	3018	660	1057	82	6839		
1913	6709	22156	6002	383	3722	3036	1057	1330	202	7598		
1914	5360	28440	7738	1159	3232	3497	1124	1186	115	2300		
1915	6920	68391	16869	1870	3649	3192	1090	2966	330	6074		
1916	7606	28607	6463	2085	3539	4545	2292	2791	279	2224		
1917	4109	26442	15923	649	2545	4575	2251	1026	133	1995		
1918	1466	20	0	0	0	0	253	4	0	18		
1919	6338	32301	15864	1991	1933	2842	1384	958	376	1973		
1920	1472	16059	3121	1459	1119	3436	1071	939	576	473		
1921	4595	20034	3180	1582	257	2517	1031	563	351	967		
1922	1923	7576	4560	1393	506	1664	1072	173	316	928		
1923	492	16402	1251	1097	1052	4421	1125	761	329	509		
1924	5157	23084	9375	2337	1411	4334	2071	985	411	1594		
1925	6316	47420	1409	2990	1623	5079	354	832	498	359		
1926	2713	12690	6379	3580	1540	5714	465	604	562	381		

Source: As in table C.1.A.

Table C.1.D.:
Export Quantities, Processed Arable Products
(in tons)

	Potato Starch	Fabricated Potato-Starch	Sugar Pulp	Beet	Bread and Rusks	Beer	Bran	Waste of Buckwheat	Other Waste Of Grain	Broken Grains	Malt
1846					66	621				522	
1847					112	683				648	
1848	246				42	642				474	
1849	324				50	708				552	
1850	508				62	869				572	
1851	4				68	927				406	
1852	6				124	1175				498	
1853	130				168	1030				608	
1854	2				122	1029				930	
1855					164	1110				1366	
1856	6				370	1330				1134	
1857	20				494	1459				900	
1858	102				414	1156				970	
1859	692				396	1438				982	
1860	654				231	1533	4393			934	
1861	574				258	1446	5309			1026	
1862	622				226	1329	4219			910	
1863	3344				190	1580	6142			743	
1864	2749				129	1923	4348			598	
1865	3675	51			130	1763	7502			1316	
1866	3983	1			109	1470	7644			896	
1867	2917	1			394	1348	5286			768	
1868	6454	35	3864		881	1261	6996			989	
1869	8316	78	13994		312	1829	9285	181		974	
1870	6034	9	5748		305	1150	8875	46		1353	
1871	3507	3	13063		139	1277	8376	13		1174	
1872	4284	2	19817		126	1457	12943	6		803	
1873	9370	4	18211		168	1589	14226	4		915	
1874	10160	7	22249		123	1459	13869	3		1101	
1875	7942		16654		175	1534	21656	14		1305	
1876	9296	5	14177		377	1692	21337			1451	
1877	10841	4	11197		166	1829	15535			5309	
1878	7960	13	13572		339	1601	8761	66		6800	
1879	10340	31	14993		489	1146	16211	50		9151	
1880	9375	11	16902		244	2171	14515			9528	
1881	11237		7989		712	2698	16818	96		4425	
1882	16004	17	4790		231	2957	17364	96		6669	
1883	18208	9	7325		202	3689	14047	166		7122	
1884	16070		135015		184	4473	24019	30	481	7801	
1885	19349	1	11299		140	4948	28791		306	2674	
1886	26840	128	9927		405	5260	29052		760	1186	
1887	31582	17	13242		180	4853	29332		1093	1251	
1888	25422	57	8154		292	4706	37456		587	1139	
1889	28197	60	11432		352	5549	31789	80	439	1615	
1890	29688	151	11595		315	5867	32720		3243	817	2365
1891	29580	27	25934		428	5906	32917		2670	864	1834
1892	27210	129	28533		476	6064	37164		3360	546	1333
1893	44467	28	14050	2	450	6872	40090		8868	543	1732
1894	43251	5	16106	1	534	6775	34617		5761	644	1505
1895	39429	13	35901	1	535	6631	40250		3972	794	1320
1896	50258	37	56138	1	515	6861	37563		10375	856	2425
1897	53530	44	55034	10	467	7345	35907		16279	1630	2961
1898	51968	19	71468	3	565	6907	35876		16626	2076	4558
1899	47575	198	55199	9	576	6988	38925		15949	3653	4769

Table C.1.D.:
Export Quantities, Processed Arable Products
(in tons)

	Potato Starch	Fabricated Potato-Starch	Sugar Pulp	Beet	Bread and Rusks	Beer	Bran	Waste of Buckwheat	Other Waste Of Grain	Broken Grains	Malt
1900	58068	63	50729	23	654	7394	40088		20527	2350	5271
1901	60267	135	59313	69	548	7134	45259	6	20926	3255	4739
1902	61612	97	34804	30	571	7827	33892		24954	4371	2242
1903	78718	115	44645	25	607	7955	58243	433	29007	5042	4482
1904	69824	412	46461	40	604	7204	45284	133	24559	5675	3072
1905	83391	573	53356	35	593	7518	47471		26102	5785	2807
1906	90569	1008	47972	49	587	7953	52504	2	26463	7815	4372
1907	97510	843	59960	65	570	7516	58890	5	29509	8007	7829
1908	86301	700	44009	104	543	7462	51831	7	36120	8223	8796
1909	89236	380	47501	472	568	7620	51043	4	31420	10013	12841
1910	82863	1158	47471	1129	635	8047	59012		36347	9223	20826
1911	87923	1048	93409	906	517	9097	56303	63	41533	9767	12811
1912	97011	657	84229	776	660	8780	66575	34	31339	12956	11644
1913	105822	337	67735	936	742	9148	63937		37700	13098	6932
1914	117370	580	10501	872	2280	9152	34029		26641	6111	6775
1915	109714	535	7234	772	28805	12537	440	3	3173	1341	173
1916	73650	6543	734	520	56413	14634	84		1457	624	60
1917	10363	217	0	230	20454	9733	20		27	7	0
1918	12	0	0	19	3523	262	0		26	3	0
1919	12077	1859	90	367	87	4465	11078		2893	259	147
1920	73197	7359	50021	871	438	12419	56297		3493	2191	254
1921	86502	5835	143359	944	519	9269	51657		3042	3852	286
1922	62913	7393	77517	1428	199	8005	43219		3149	5038	71
1923	90271	9368	50015	1448	227	6654	53565		2640	6488	155
1924	87514	9534	64172	1737	1177	7702	71169		2993	7153	64
1925	75243	11913	53878	2456	303	10475	60503		7283	6687	98
1926	94012	14996	52355	2944	302	12052	62350		6956	6851	3

Source: As in table C.1.A.

Table C.1.D.:
Export Quantities, Processed Arable Products (continued)
(in tons)

	Yeast	Cakes	Maca- roni	Vermi- celli	Wheat	Rye	Flour Buck- wheat	Semo- lina	Other	Madder Raw	Unprocessed	Beet- Sugar
1846	1001	13		6					2966	26	4492	8
1847	1180	16		4					1450	2	4892	1
1848	1570	14		11					294	10	4108	2
1849	1837	35		9					244	16	5248	22
1850	2382	50		14					156	294	5824	3
1851	2766	51		4					330	406	5378	6
1852	3018	63		14					322	1030	7972	3
1853	3439	66		10					316	172	4544	1
1854	4121	96		32					684	200	4242	4
1855	4615	85		126					1322	42	4570	3
1856	4509	101		188					560	210	5704	7
1857	4843	156		523					2160	254	3728	68
1858	5987	158		932					694	294	4174	11
1859	5466	187		4300					1157	758	3399	28
1860	6136	193		23					893	213	2840	83
1861	5983	182		26					2048	18	2069	228
1862	5683	171		21					2144	155	2237	381
1863	7069	268	1	15					1471	311	2499	1541
1864	7428	301	1	10	1842	0	27		2	268	2329	1435
1865	6919	299	5	14	1086	0	36		12	322	4050	2075
1866	5598	338	3	14	981	0	31		7	286	2128	1632
1867	6001	90	2	12	1022	0	39		15	709	3375	2936
1868	6191	107	1	5	1297	0	46		24	344	5227	2134
1869	6666	123	1	10	1257	0	27		21	242	2512	1456
1870	7137	165	2	28	1917	0	87		47	136	2019	500
1871	7144	173	0	15	1806	0	242		62	373	2738	1121
1872	6875	170	1	17	1453	0	177		207	438	1833	2317
1873	8203	274	1	10	2587	0	673		299	663	1424	6610
1874	6982	513	1	15	6180	0	807		250	1562	2211	3571
1875	7539	717	5	11	7144	0	273		251	639	2268	3756
1876	7329	770	1	11	10521	0	311		325	186	2160	10553
1877	7251	765	2	9	9715	0	408		310	272	2061	5221
1878	7534	761	2	12	7421	0	627		317	340	2324	13398
1879	8126	426	1	13	9079	0	808		175	122	2592	11927
1880	7456	406	1	10	7146	0	278		99	54	1417	11771
1881	6828	358	1	9	10505	0	641		300		1783	11453
1882	5363	439	1	11	5177	0	1201		285	54	1622	11136
1883	4100	425	0	13	4517	0	1586		154	2	1397	22075
1884	6206	871	2	22	3887	0	963		128		1416	15238
1885	7771	874	0	25	7295	0	429		1608	24	1612	9418
1886	6470	824	0	39	15243	0	28		330	57	1610	7308
1887	6632	1255	4	47	17061	0	284		225	58	1616	7694
1888	6404	368	3	41	17559	0	312		203	24	1456	7580
1889	5992	407	0	60	22864	0	197		799	281	1094	9651
1890	6747	420	1	146	23063	0	98		732	217	950	8399
1891	7823	322	0	170	22947	0	43		251	176	930	7668
1892	8152	528	0	163	16225	0	172		938	249	712	4252
1893	9802	458	1	190	15662	0	54	4	1002	79	669	6894
1894	11673	414	0	69	15983	0	67	10	988	123	1127	5205

**Table C.1.D.:
Export Quantities, Processed Arable Products (continued)**
(in tons)

	Yeast	Cakes	Maca- roni	Vermi- celli	Wheat	Rye	Flour Buck- wheat	Semo- lina	Other	Madder Raw	Unprocessed	Beet- Sugar
1895	13531	290	1	55	9268	0	128	29	933	1009	606	8250
1896	11004	313	1	13	9744	0	54	39	1389	15	506	7895
1897	9241	275	1	16	12366	0	69	100	2010	21	612	14533
1898	6747	354	1	21	11189	0	96	56	2862	33	478	10889
1899	5756	395	2	24	13497	0	133	49	4701	19	572	13481
1900	4978	476	1	20	14380	0	183	28	4459	30	446	16859
1901	5204	571	0	13	7163	0	116	48	2739	26	412	11850
1902	5149	210	14	40	7309	0	111	41	1587	27	344	10385
1903	5169	311	10	80	9442	0	80	39	3969	21	277	5436
1904	5562	353	13	74	11591	0	197	29	2712	16	226	32823
1905	5359	441	20	143	17761	0	142	21	3404	34	168	9239
1906	5451	455	62	188	9867	0	200	43	3998	12	196	37911
1907	5561	617	40	142	14221	0	169	57	6386	10	154	22197
1908	5490	812	20	100	12931	0	196	33	6474	4	167	47206
1909	5696	825	15	106	25980	0	128	6	4851		138	44592
1910	5890	947	15	80	23781	0	179	2	7621	0	138	48535
1911	5929	1257	32	160	16944	0	347	25	14030		121	67321
1912	6692	1911	18	159	13999	0	145	17	11777	3	136	62476
1913	6198	1627	15	231	17837	0	412	51	14218	61	89	40535
1914	6591	3420	22	160	10257	0	223	4	6862	2	117	21327
1915	8601	8274	56	166	444	19	11	13	3398	3	81	47578
1916	7486	7719	17	26	846	24	0		74			29286
1917	3576	315	5	4	803	2	0		256			17081
1918	1665	539	1	1	409	0	0		41			13018
1919	1288	1126	33	9	106	2	6		2225			4615
1920	3107	1780	155	126	1128	17	67		777	0	0	16665
1921	4741	1258	134	567	50520	5454	107		4055			1441
1922	5902	1872	131	193	41775	9949	159		3214			1000
1923	6330	2145	426	287	52994	11956	186		2544	0	0	0
1924	6651	2682	403	452	73634	51843	180		2521			212
1925	6433	3585	37	101	56816	9104	165		1871			0
1926	6516	3686	25	55	12270	1187	145		1928			0
	Other	Spirits										
1917	1625											
1918	427											
1919	4777											
1920	6688											
1921	1631	22361										
1922	1744	27893										
1923	1972	24522										
1924	2661	27755										
1925	3623	23497										
1926	3779	25011										

Source: As in table C.1.A.

**Table C.1.E.:
Export Quantities, Processed Livestock Products
(in tons)**

	Bones	Bladders	Butter	Animal		Hides					Cheese	Milk (Proc.)
				Hair	Various	Various (Fresh)	Various (Dried)	Various (Salted)	Sheep/ Lamb	Rabbit/ Hare		
1846	6070		9664	18	1450				158	5	19504	
1847	6344		10976	16	951				62	5	20026	
1848	4360		10890	6	883				29	7	20482	
1849	4010		11110	32	1419				33	5	20538	
1850	4030		12016	16	1134				86	15	22310	
1851	4766		12738	14	1063				60	14	22308	
1852	5154		12126	43	2811				81	21	24214	
1853	4392		13426	18	2661				73	33	24494	
1854	4706		14436	20	3394				78	14	25716	
1855	4176		14676	19	3102				131	20	24248	
1856	4000		15052	30	1611				218	51	25944	
1857	5196		13402	34	2363				120	59	27202	
1858	3048		11654	23	3702				115	71	25314	
1859	2777		13286	30	4098				102	48	24912	
1860	4570		17840	23	3602				91	78	27679	
1861	3456		17529	16	3193				89	64	28666	
1862	3674		15138	38	3638				113	54	25843	
1863	3241		14506	494	9580				193	172	27325	
1864	4531		16687	688		210	2517	7133	143	314	28159	
1865	3892		17754	515		47	2149	5814	74	242	31685	
1866	2980		18352	360		18	2215	5753	505	117	30386	
1867	3657		16129	481		10	3229	5042	491	79	25436	
1868	4479		16671	734		102	2934	4769	632	119	25761	
1869	3855		20294	840		91	3916	6709	380	184	29974	
1870	3266	9	21712	655		74	3583	5421	71	298	29232	
1871	3080	1	20229	802		169	4584	4836	127	236	27101	
1872	3134	0	15246	616		66	5929	4752	114	88	26790	
1873	2257	15	15126	1126		58	5260	4971	47	71	24863	
1874	2058	40	17038	1138		231	5792	5914	45	97	28006	
1875	3303	29	18598	967		187	6133	4950	99	155	30570	
1876	5456	26	17741	1234		152	5109	5803	90	104	29784	
1877	4836	33	17858	1464		57	4462	5071	104	103	30622	
1878	5613	75	16933	970		37	5193	5637	78	71	29656	
1879	3340	245	14192	990		72	5460	6286	139	84	25386	
1880	4752	215	15358	1187		64	5430	5845	157	146	28058	
1881	5280	287	13638	1117		84	5564	5310	280	68	25448	
1882	4763	508	13641	1136		63	5270	5958	166	43	25997	
1883	3737	632	12115	753		117	5654	6024	168	91	23583	
1884	4023	791	14785	530		200	5759	6851	77	158	29395	
1885	4632	853	16956	963		235	7114	5876	91	69	34432	
1886	5771	962	14421	1430		193	6472	6858	103	131	29909	
1887	6058	1226	14415	1370		313	6037	6215	114	113	30535	
1888	6861	1528	13952	1279		292	7035	6816	246	253	30186	
1889	4813	1500	14490	1212		269	6589	6206	254	661	32020	
1890	1868	1777	13432	1331		191	6189	7119	769	262	30315	
1891	2833	2303	13246	1046		119	7142	5693	247	284	30535	
1892	4013	1951	12054	1327		113	7562	6423	605	322	29518	
1893	3891	2107	13003	1234		220	6183	7566	2215	362	30118	
1894	3291	2366	12708	1453		164	5807	7310	2917	414	32707	

**Table C.1.E.:
Export Quantities, Processed Livestock Products
(in tons)**

	Bones	Bladders	Butter	Animal	Hides				Sheep/ Lamb	Rabbit/ Hare	Cheese	Milk (Proc.)
				Hair	Various (Fresh)	Various (Dried)	Various (Salted)					
1895	2224	3131	14029	1418	147	7173	7874	2211	693	33188		
1896	1811	3597	17170	1222	109	6619	7914	2529	945	33518		
1897	2432	3845	17625	786	131	8689	9277	1237	731	38096		
1898	2712	3901	19948	674	135	8625	10076	1191	685	39440		
1899	2386	4898	20379	1212	76	9189	11176	1348	593	45532		
1900	2943	5191	22572	1349	63	9143	11512	1050	528	45908		
1901	2563	4723	22095	880	90	8788	13589	709	826	47296		
1902	2651	4599	22861	1016	123	9078	14691	1464	685	47530		
1903	3078	5570	23428	1434	188	9347	15374	1048	891	49453		
1904	3326	5798	23607	1533	137	10726	14454	1228	680	46752		
1905	2499	6110	23207	1146	107	10308	14689	755	603	44651		
1906	2566	5276	25585	906	108	10909	15652	600	527	47510		
1907	3744	6245	29397	107	75	9001	14690	826	839	51550		
1908	3320	6531	33072	1313	68	8484	16654	1203	958	53639		
1909	2687	6090	31156	928	97	9654	20510	1027	1127	56278		
1910	3256	5477	32866	1651	83	9840	20125	752	969	55689		
1911	3547	6166	30170	1159	80	10193	19628	621	1049	51532		
1912	3276	5921	39149	1400	224	9818	19282	747	1275	59470		
1913	3051	5431	37060	1132	73	10959	19232	450	1045	65924		
1914	2122	6188	38287	932	36	7576	12898	564	985	67846		
1915	230	3767	42344	706	28	637	4656	1246	171	86335		
1916	154	4337	36202	593	13	337	10138	1123	460	90538		
1917	120	3589	24592	123	0	0	715	230	180	56080		0
1918	0	764	2456	1	0	0	0	0	0	14920		0
1919	8	4354	13718	260	19830	1338	431	408	425	12416	21664	
1920	138	5025	20673	337	12142	4670	1299	1023	437	45241	59249	
1921	1104	4140	20198	307	14364	3982	2040	1105	302	52290	83001	
1922	2027	3844	23125	791	15135	3596	1253	1644	357	65213	93360	
1923	2065	3011	23936	1199	16032	3060	950	1616	218	61982	112613	
1924	2578	4585	34732	1091	14584	3612	2785	1571	496	77271	123187	
1925	2185	4613	39734	1006	16061	2566	1513	1987	375	79702	129864	
1926	3428	4716	45554	837	22600	2928	939	1681	445	84236	148446	

Source: As in table C.1.A.

**Table C.1.E.:
Export Quantities, Processed Livestock Products (continued)**
(in tons)

	Feathers	Various Meat		Beef/Veal Fresh	Fresh/ Salted	Mutton/Pork			
		Meat	Meat			Fresh	Salted	Smoked/ Dried	Mutton, Pork, Fresh
		Fresh/Salt	Smoked/Dried						
1846	3	898	528						
1847	2	1380	608						
1848	2	600	284						
1849	3	1742	688						
1850	3	1036	562						
1851	6	980	470						
1852	7	1000	434						
1853	11	1062	332		88			44	
1854	5	714	34		234			324	
1855	4	912	36		162			362	
1856	6	1036	38		158			430	
1857	6	1150	30		156			460	
1858	5	678	32		214			336	
1859	6	913	31		353			642	
1860	6	791	36		240			616	
1861	17	643	28		293			741	
1862	19	608	31		196			440	
1863	22	743	66			10	144	381	
1864	55	619	75			42	313	430	
1865	67	787	70			112	437	684	
1866	30	3259	29			5447	273	779	
1867	12	3272	52			3839	396	764	
1868	23	766	51			1353	205	716	
1869	57	631	34			2139	114	471	
1870	69	353	53			1449	327	1503	
1871	50	177	130			1166	152	1220	
1872	82	135	55			901	117	485	
1873	80	194	52			1458	286	366	
1874	79	243	65			2083	238	505	
1875	153	152	68			3599	151	557	
1876	101	425	26			3354	164	432	
1877	109	325	15			4300	227	356	
1878	114	434	57			4682	153	368	
1879	128	401	12			3870	188	202	
1880	128	837	45			840	234	223	
1881	211	800	90			2796	134	58	
1882	248	1416	28			3539	129	151	
1883	184	315	23			3461	147	216	
1884	226	577	35			5689	211	274	
1885	174	707	38			7039	135	294	
1886	183	769	38			7217	146	671	
1887	271	757	36			10918	162	1038	
1888	278	1572	73			15595	1451	1699	
1889	176	1915	42			9643	1329	627	
1890	341	3630	96			7013	1151	2781	
1891	371	4788	36			7516	2266	1236	
1892	318	6141	57			12435	632	568	
1893	201	4692	212			15307	1722	369	
1894	217	6360	68			23450	721	472	

Table C.1.E.:
Export Quantities, Processed Livestock Products (continued)
(in tons)

	Feathers	Various Meat		Beaf/Veal Fresh	Fresh/ Salted	Mutton/Pork			Mutton, Fresh	Pork, Fresh	Other, Fresh
		Meat Fresh/Salt	Meat Smoked/Dried			Fresh	Salted	Smoked/ Dried			
1895	169	9812	117			29131	400	686			
1896	196	6094	129			25262	379	768			
1897	347	9627	221			32957	409	943			
1898	324	18065	334			29966	537	926			
1899	340	16906	608			44845	313	1089			
1900	542	15262	117			43822	650	913			
1901	295	15301	61			45094	757	788			
1902	163	16463	57			49457	561	951			
1903	230	13090	85			49801	351	955			
1904	262	14824	81			44182	346	865			
1905	354			16742					13267	24570	31
1906	335			14730					12916	27058	47
1907	404			13238					12989	24373	17
1908	423			13595					14045	27182	3
1909	272			16823					11579	30299	9
1910	382			15775					8981	23638	13
1911	201			14919					7033	29241	9
1912	401			18304					9549	25140	10
1913	576			18293					6840	35885	20
1914	461			14908					9024	49851	14
1915	54			20705					11387	44401	45
1916	23			15142					2087	15737	158
1917	5			1696					1871	2937	31
1918	14			24					1	0	1
1919	24			16170					2385	3898	0
1920	42			2910					3166	1554	0
1921	39			6582					4179	17959	5
1922	20			9911					7359	28532	42
1923	9			9383					6393	33557	35
1924	21			10410					7948	65108	1
1925	34			15899					7736	62370	7
1926	34			15366					6471	28769	1

Source: As in table C.1.A.

Table C.1.E.:
Export Quantities, Processed Livestock Products (continued)
(in tons)

	Other, Salted	Mutton, Pork Pork Smoked/Dried	Other Smoked/Dried	Various	Game Tame Rabbits	Other	Animal Fats and Other
1846					170		
1847					67		
1848					108		
1849					133		
1850					131		
1851					177		
1852					202		
1853					204		
1854					191		
1855					143		
1856					180		
1857					165		
1858					155		
1859					168		
1860					181		
1861					237		
1862					284		
1863					316		
1864					348		
1865					233		
1866					266		
1867					371		
1868					437		
1869					488		
1870					520		
1871					547		
1872					373		
1873					404		
1874					427		
1875					441		
1876					415		
1877					607		
1878					454		
1879					598		
1880					314		
1881					494		
1882					542		
1883					653		
1884					898		
1885					933		
1886					799		
1887					854		
1888					911		
1889					879		
1890					769		
1891					774		
1892					836		
1893					867		
1894					1345		

**Table C.1.E.:
Export Quantities, Processed Livestock Products (continued)
(in tons)**

	Mutton, Pork				Game		Animal Fats and Other
	Pork, Salted	Other, Salted	Pork Smoked/Dried	Other Smoked/Dried	Various	Tame Rabbits	
1895					1297		
1896					1128		
1897					1190		
1898					1648		
1899					2034		
1900					1999		
1901					2248		
1902					2530		
1903					2328		
1904					2597		
1905	302	298	831	66	733	1877	
1906	767	276	1131	96	515	1982	
1907	503	301	1040	132	517	2562	
1908	91	205	950	230	486	2676	
1909	1392	136	1338	230	395	3031	
1910	2006	42	1498	506	466	3365	
1911	3578	45	1786	512	506	4009	
1912	900	66	2247	475	793	4074	
1913	9196	116	2277	413	606	4017	
1914	15890	322	4474	830	648	4007	
1915	9327	438	9784	3958	444	3161	
1916	19100	1266	8657	4678	207	7439	
1917	12547	1382	126	3	766	4292	6593
1918	22	182	53	12	71	633	1542
1919	4200	1020	3076	8	51	322	13499
1920	3875	321	629	11	236	312	26565
1921	14291	33	897	9	169	428	31824
1922	8682	107	444	30	112	691	34467
1923	2509	27	566	11	84	964	44059
1924	4995	4	793	15	191	1933	55541
1925	17753	6	745	11	284	2417	60378
1926	35369	12	425	4	331	2005	49465

Source: As in table C.1.A.

Table C.1.F:
Export Quantities, Processed Horticultural Products
(in tons)

	Fruit Juice	Preserved Vegetables			Preserved Fruits			Dried Prunes	Dried Wal and Hazelnut
		Dried	Wholesale Packing	Retail Packing In Salt/ Vinegar	Wholesale Packing	Retail Packing	Dried		
1846			916		178				16
1847			623		277				18
1848			658		185				28
1849			808		267				36
1850	2		1600		299				14
1851	11		962		575				40
1852	8		1690		145				70
1853	18		2003		242				14
1854	6		2082		197				22
1855	14		1479		205				14
1856	17		879		159				24
1857	21		845		178				10
1858	9		909		277				20
1859			718		376				16
1860	11		991		438				10
1861			1338		102				20
1862	6		1811		240				38
1863	4		1579		173	3			10
1864	5		2396		324	2			12
1865			2613		48	2			6
1866	1		1655		167	1			16
1867			1886		225	7			4
1868			1454		306	2			4
1869			2048		715	14			7
1870	1		1880	1281	2				7
1871			3675	74	2				21
1872			3221	76	4			250	
1873			4265	27	2				8
1874			2352	19	2				23
1875			2281	68	1				12
1876			1380	90	1				20
1877			1283	188	1				8
1878			1483	136	1				11
1879			426	205	1				4
1880			1195	137					5
1881			2004	20					4
1882			1167	148					4
1883			907	75					3
1884			880	1					5
1885			1718	76	1				23
1886			1988	314					4
1887			3321	151	3				11
1888			1706	116	9				17
1889			1091	203	2				49
1890			1331	241	6				45
1891			1110	163	9				23
1892			935	18	11				9
1893			1333	69	12				5
1894			1480	39	8				10

Table C.1.F:
Export Quantities, Processed Horticultural Products
(in tons)

Year	Fruit Juice	Preserved Vegetables			Preserved Fruits			Dried Prunes	Dried Wal and Hazelnut	Cucumber/ Gherkins	Other Vegetables
		Dried	Wholesale Packing	Retail Packing	In Salt/ Vinegar	Wholesale Packing	Retail Packing				
1895			1622		113	11		23			
1896			1986		116	14		12			
1897			743		63	16		43			
1898			2666		8	14		29			
1899			2409		39	10		41			
1900			3814		780	2		220			
1901			3990		245	28		34			
1902			5259		148	44		27			
1903			3672		89	50		25			
1904			3499		83	174		16		22353	37924
1905		101	6457	1904	48	120	27	78	34	155	20517
1906		171	7490	1934	54	139	73	84	33	153	19316
1907		406	7031	1790	95	131	22	157	91	216	25780
1908		271	5285	1951	137	153	59	133	30	233	22459
1909		332	5720	2041	27	147	116	49	44	195	31826
1910		483	5344	4445	116	125	129	87	68	76	45354
1911		477	6785	2082	31	120	61	110	62	165	47340
1912		484	6248	3471	101	89	144	242	45	162	45767
1913		331	8789	3393	943	134	252	354	51	164	47069
1914		950	10288	3774	395	233	1254	432	118	140	56501
1915		2512	16000	3250	403	1658	1744	2341	413	496	48344
1916		5733	25787	2765	559	1348	553	1513	283	93	48692
1917		17920	92391	1036	785	9473	6	9	1	0	26927
1918		9927	87999	303	77	18528	0	1	0	0	22981
1919		1969	39693	1824	494	10030	76	99	235	42	29067
1920		254	19911	2044	87	15185	25	28	54	38	28710
1921		93	15549	1326	152	12863	53	53	82	71	19408
1922		136	21321	1248	384	10262	32	54	215	97	10976
1923		108	19009	1444	95	8269	79	56	65	189	29049
1924		110	18870	2253	374	15335	137	287	430	338	52023
1925		167	15350	1654	389	16881	942	130	96	86	52189
1926		257	17563	2139	139	16885	719	62	95	44	131128

Source: As in table C.1.A.

Table C.2.A.:
Basic Prices, Unprocessed Arable Crops
 (Guilders per ton)

	Pota- toes	Sugar- beet	Chicory Unprocessed	Oats	Buck- wheat	Beans	Peas	Hay	Hemp Unhacked	Straw	Flax Raw	
1846	59	8		16	76	129	93	131	22	330	20	500
1847	74	8		18	70	125	90	119	27	350	20	520
1848	34	7		14	64	95	77	106	23	280	16	470
1849	33	7		15	64	93	79	103	22	310	15	490
1850	33	7		15	64	93	81	99	22	330	15	510
1851	33	7		16	63	92	84	93	21	360	14	524
1852	31	10		14	62	101	71	114	20	390	14	575
1853	45	14		18	82	127	101	159	24	350	13	500
1854	47	10		18	90	142	106	150	25	275	11	590
1855	45	10		20	96	143	113	144	30	380	12	490
1856	33	9		19	80	138	90	113	28	300	16	560
1857	33	8		19	74	129	83	125	40	325	18	514
1858	30	9		14	83	111	99	128	35	310	16	800
1859	37	9		15	79	100	96	122	20	320	16	700
1860	45	11		17	85	122	97	149	25	340	16	750
1861	50	12		18	80	129	121	169	28	345	28	718
1862	26	11		19	80	126	118	150	25	370	23	727
1863	28	7		19	84	113	94	96	32	300	22	685
1864	29	8		18	86	122	96	108	28	320	22	687
1865	26	9		17	84	109	96	119	45	330	30	727
1866	34	11		13	92	113	105	154	30	280	26	693
1867	47	10		15	92	136	106	142	30	440	28	730
1868	45	9		15	95	148	107	129	30	450	28	661
1869	33	8		16	96	137	109	116	27	460	27	710
1870	35	10		16	85	130	162	120	35	400	30	800
1871	38	11		24	86	136	175	134	33	345	48	750
1872	36	12		21	77	129	143	123	36	410	40	780
1873	36	11		12	92	140	149	132	41	396	34	600
1874	38	10		20	95	144	143	131	50	341	30	975
1875	37	10		17	97	130	162	142	61	406	41	1050
1876	34	11		16	93	116	156	146	50	436	32	870
1877	34	11		13	84	111	142	133	40	396	28	600
1878	27	13		16	98	109	146	111	36	406	26	660
1879	40	11		15	91	125	172	146	46	503	26	800
1880	48	12		15	110	112	175	136	46	436	25	685
1881	40	10		16	91	125	178	144	45	446	30	580
1882	55	11		12	83	110	169	133	42	456	23	505
1883	45	11		8	71	88	156	126	40	446	14	538
1884	25	11		13	73	89	151	98	38	496	9	796
1885	27	10		11	75	86	145	90	34	476	10	736
1886	26	11		8	69	102	124	94	32	281	12	760
1887	28	10		10	64	87	125	95	34	318	11	825
1888	32	11		11	51	85	138	123	36	385	25	968
1889	30	12		10	69	80	122	99	38	396	11	720

Table C.2.A.:
Basic Prices, Unprocessed Arable Crops
 (Guilders per ton)

	Pota- toes	Sugar- beet	Chicory Unprocessed	Oats	Buck- wheat	Beans	Peas	Hay	Hemp Unhacked	Straw	Flax Raw
1890	26	11	10	72	95	153	122	40	346	12	643
1891	45	10	11	72	111	143	124	38	346	14	625
1892	18	11	13	70	86	118	97	40	376	16	625
1893	17	11	13	69	78	121	95	54	396	20	785
1894	30	10	9	52	78	137	116	23	366	13	803
1895	21	9	7	49	67	146	92	35	342	10	786
1896	20	10	6	55	61	124	77	25	287	11	625
1897	26	9	6	62	67	117	96	38	273	17	500
1898	29	10	13	60	95	126	108	20	344	11	500
1899	29	10	13	59	92	121	79	27	344	8	550
1900	31	9	14	61	96	137	97	35	391	4	795
1901	33	10	14	73	104	109	108	37	350	14	617
1902	31	9	14	61	82	140	104	26	360	8	706
1903	40	10	13	56	89	184	99	26	375	3	794
1904	38	11	15	60	93	127	92	27	350	13	794
1905	29	12	13	66	98	127	90	28	360	14	700
1906	30	10	13	71	94	108	104	34	370	14	700
1907	29	10	15	74	101	117	104	28	410	8	635
1908	27	12	14	65	108	119	111	32	400	5	657
1909	32	12	14	74	98	145	148	54	370	15	687
1910	32	12	13	61	100	146	156	26	360	16	837
1911	42	12	14	71	269	175	186	32	350	16	967
1912	30	13	14	88	311	173	152	30	370	15	947
1913	29	12	13	73	273	138	112	27	400	14	877
1914	37	12	13	85	306	147	138	40	410	8	1237
1915	40	15	13	134	431	220	235	54	480	20	1572
1916	56	25	14	126	460	346	346	70	500	27	2462
1917	159	12	15	126	133	912	396	89	560	229	1618
1918	136	0	15	200	133	1000	379	77	620	253	2007
1919	90	10	15	235	133	445	442	109	735	158	3167
1920	79	17	15	259	133	289	293	80	698	152	4806
1921	66	16	15	165	204	198	278	74	555	33	1401
1922	57	20	15	130	137	217	265	80	396	28	1303
1923	39	19	19	113	103	198	245	58	500	36	1197
1924	60	17	24	108	142	231	239	45	481	24	1494
1925	53	12	15	126	133	197	228	48	431	26	1450
1926	44	7	15	115	118	168	259	47	417	25	916

Source: Described in main text.

**Table C.2.A.:
Basic Prices, Unprocessed Arable Crops (continued)
(Guilders per ton)**

	Canary Seed	Mustard Seed	Hemp Seed	Cole/Rape Seed	Other Oil Seed	Lin Seed
1846	105	101	106	141	153	94
1847	162	141	110	156	169	137
1848	183	124	92	143	154	108
1849	154	124	96	139	150	122
1850	133	124	101	135	146	130
1851	119	129	106	128	138	144
1852	120	112	115	129	140	159
1853	150	146	115	161	174	173
1854	152	180	124	163	176	202
1855	211	236	165	227	246	202
1856	196	202	147	211	228	202
1857	202	281	156	217	235	166
1858	179	186	124	193	209	187
1859	145	202	119	156	169	144
1860	152	214	119	163	176	159
1861	155	180	128	166	180	195
1862	180	169	128	193	209	259
1863	166	180	128	178	193	216
1864	165	135	183	178	192	187
1865	180	202	133	193	209	159
1866	163	202	138	175	189	159
1867	161	202	128	173	188	216
1868	144	214	138	154	167	216
1869	168	225	147	181	196	216
1870	136	231	88	304	304	201
1871	136	236	117	246	246	194
1872	136	225	106	231	231	190
1873	136	216	101	304	304	190
1874	136	214	135	246	246	190
1875	136	214	122	231	231	187
1876	157	214	109	275	275	204
1877	390	225	106	154	154	17
1878	418	202	127	182	182	181
1879	291	180	126	175	175	150
1880	126	191	124	175	175	161
1881	109	208	115	190	190	165
1882	186	236	102	190	190	165
1883	135	214	105	212	212	146
1884	124	180	106	161	161	158
1885	116	169	103	164	164	191
1886	119	169	92	147	147	142
1887	132	145	85	145	145	145
1888	106	150	89	165	165	133
1889	94	150	92	131	131	134

Table C.2.A.:
Basic Prices, Unprocessed Arable Crops (continued)
 (Guilders per ton)

	Canary Seed	Mustard Seed	Hemp Seed	Cole/Rape Seed	Other Oil Seed	Lin Seed
1890	102	135	84	157	157	136
1891	103	123	106	144	144	143
1892	200	183	114	179	179	187
1893	109	227	114	172	172	195
1894	123	137	106	132	132	158
1895	83	103	100	122	122	128
1896	67	157	91	129	129	114
1897	71	274	94	160	160	128
1898	73	170	112	142	142	128
1899	79	133	112	184	184	112
1900	113	133	114	72	72	116
1901	113	105	116	79	79	116
1902	93	136	117	67	67	96
1903	93	180	120	65	65	96
1904	93	124	118	64	64	96
1905	88	124	122	77	77	91
1906	90	104	125	78	78	94
1907	118	114	130	76	76	121
1908	148	115	134	78	78	151
1909	145	142	138	84	84	148
1910	177	143	136	74	74	181
1911	29	171	140	85	85	295
1912	192	169	144	93	93	195
1913	119	135	150	81	81	122
1914	299	144	154	97	97	302
1915	552	216	164	175	175	556
1916	531	342	170	162	162	534
1917	260	421	182	300	433	678
1918	260	1000	182	300	667	1026
1919	654	785	947	786	1857	896
1920	297	657	417	446	773	745
1921	181	257	251	285	465	202
1922	195	326	180	321	540	250
1923	181	311	181	244	232	242
1924	269	371	228	249	418	288
1925	260	421	182	300	433	252
1926	201	381	167	275	448	201

Source: Described in main text.

Table C.2.B.:
Basic Prices, Unprocessed Livestock
 (Guilders per ton or per head)

	Bees (per ton)	Eggs (per ton)	Horses (var- ious)	Foals	Cows	Calves/ Young	Pigs	Sheep	Lambs	Wool (per ton)
1846	231	763	250	38	101	38	19	17	4	1150
1847	245	763	250	40	112	42	22	16	5	1200
1848	249	763	240	40	105	40	21	20	6	1250
1849	231	763	250	40	101	38	20	16	5	1200
1850	223	763	260	35	101	38	19	14	5	1150
1851	203	763	265	35	90	34	19	12	5	1120
1852	211	763	300	40	94	35	21	11	4	1150
1853	232	763	275	65	101	38	27	13	6	1300
1854	243	763	250	70	123	46	29	15	8	820
1855	266	763	250	80	128	48	29	17	8	1120
1856	297	763	290	90	146	55	29	17	7	1360
1857	289	763	250	80	135	50	27	16	8	1600
1858	248	763	210	70	117	44	24	15	6	1240
1859	268	763	275	80	135	50	24	16	9	1270
1860	274	763	275	85	126	47	26	15	8	1500
1861	309	763	275	90	155	58	25	16	7	1540
1862	301	859	275	80	157	59	24	16	8	1430
1863	317	820	265	80	157	59	24	17	8	1650
1864	337	843	270	70	157	59	23	18	9	1960
1865	335	747	300	65	166	62	27	16	8	1780
1866	305	780	265	70	168	63	25	15	10	1480
1867	276	741	240	65	166	62	26	12	9	1260
1868	293	779	245	70	168	63	29	13	8	1280
1869	304	802	250	80	175	66	30	14	7	1280
1870	319	800	210	80	180	68	32	16	7	1304
1871	352	790	220	88	200	75	25	18	9	1510
1872	411	848	240	104	240	90	30	20	10	1668
1873	454	876	250	120	280	105	35	22	11	1739
1874	468	849	350	120	300	113	28	22	10	1643
1875	445	832	350	104	280	105	32	20	10	1557
1876	434	777	400	160	280	105	28	22	10	1270
1877	431	759	400	144	280	105	27	20	10	1260
1878	415	732	425	156	260	98	36	19	10	1260
1879	351	675	400	156	200	75	35	19	10	1110
1880	397	739	390	132	225	84	39	25	10	1200
1881	344	714	295	88	205	77	32	17	10	1160
1882	376	726	309	83	250	94	30	15	11	1120
1883	371	731	285	100	230	86	30	18	11	1175
1884	375	711	225	96	227	85	29	16	10	1294
1885	308	574	218	86	175	66	31	14	9	1100
1886	299	591	208	86	183	69	26	13	8	1000
1887	265	566	201	80	165	62	25	11	7	880
1888	264	589	213	78	164	62	28	12	8	850
1889	320	623	235	85	230	86	36	14	9	817

**Table C.2.B.:
Basic Prices, Unprocessed Livestock**
(Guilders per ton or per head)

	Bees (per ton)	Eggs (per ton)	Horses (var- ious)	Foals	Cows	Calves/ Young	Pigs	Sheep	Lambs	Wool (per ton)
1890	307	615	176	126	215	81	24	14	9	920
1891	274	593	184	130	197	74	18	11	9	860
1892	272	584	197	116	178	67	24	10	8	750
1893	282	589	193	113	188	71	27	9	8	750
1894	276	552	203	110	187	70	25	13	8	750
1895	269	546	211	121	176	66	19	14	8	750
1896	245	528	213	122	151	57	17	14	7	750
1897	255	539	216	124	150	56	22	12	7	750
1898	255	559	218	131	148	56	22	13	7	750
1899	259	560	215	144	158	59	21	13	7	750
1900	243	525	224	134	159	60	22	15	9	625
1901	227	443	222	133	157	59	26	13	8	565
1902	229	525	236	142	168	63	27	14	9	500
1903	261	525	252	151	179	67	24	15	9	650
1904	297	551	240	144	170	64	24	15	9	925
1905	321	579	239	143	169	64	28	16	10	1100
1906	325	597	248	149	176	66	29	17	11	1100
1907	300	612	242	145	172	64	28	23	14	975
1908	281	612	246	148	175	65	27	19	11	725
1909	298	648	255	153	181	68	31	16	10	800
1910	324	641	270	162	192	72	32	21	13	950
1911	328	678	286	172	203	76	30	21	13	900
1912	345	689	303	182	215	81	35	24	15	900
1913	361	710	302	181	215	80	33	27	17	1050
1914	366	701	299	179	212	79	33	19	11	1125
1915	504	987	356	213	252	95	51	31	19	1475
1916	622	1191	415	249	295	111	56	27	14	1660
1917	583	1264	221	258	312	102	89	18	14	2362
1918	642	1675	260	966	312	102	89	18	14	2362
1919	1591	2706	231	1282	261	102	73	58	14	4092
1920	650	1646	332	664	455	102	101	59	28	3015
1921	450	1518	487	1081	242	155	94	33	32	1285
1922	400	1063	278	421	275	125	67	30	27	1089
1923	600	905	183	258	302	49	90	22	13	1311
1924	480	550	241	258	313	102	89	18	14	2362
1925	521	928	485	258	264	79	89	23	17	1973
1926	705	827	136	258	98	21	92	24	23	1501

Sources: Described in main text.

Table C.2.C.:
Basic Prices, All Horticultural Products
 (Guilders per ton)

	Cabbage	Cauli- Flower	Apples	Pears
1846	14	18	70	106
1847	15	21	45	68
1848	12	16	60	90
1849	12	16	61	91
1850	12	16	61	92
1851	12	16	23	35
1852	11	15	61	91
1853	15	20	52	77
1854	19	25	90	135
1855	21	28	50	75
1856	23	31	83	125
1857	26	35	74	112
1858	28	37	43	64
1859	30	40	88	132
1860	19	25	45	68
1861	15	19	122	183
1862	17	23	58	88
1863	16	21	64	96
1864	18	24	34	51
1865	18	25	123	185
1866	16	21	44	66
1867	20	26	88	133
1868	24	32	46	69
1869	19	25	59	88
1870	27	36	43	65
1871	20	27	60	89
1872	16	22	89	133
1873	20	27	94	142
1874	18	24	146	219
1875	22	29	159	238
1876	23	30	80	119
1877	24	32	77	116
1878	18	24	58	87
1879	24	32	69	103
1880	21	29	75	113
1881	29	38	65	98
1882	23	31	87	130
1883	19	25	46	69
1884	21	28	70	105
1885	22	29	50	74
1886	19	25	62	93
1887	19	26	64	97
1888	23	30	82	123
1889	18	24	59	88

Table C.2.C.:
Basic Prices, All Horticultural Products
 (Guilders per ton)

	Cabbage	Cauli- Flower	Apples	Pears
1890	16	22	51	76
1891	17	23	55	82
1892	30	40	38	57
1893	29	39	37	55
1894	27	36	31	47
1895	25	34	33	49
1896	22	30	34	51
1897	23	30	42	63
1898	22	30	83	124
1899	23	30	94	141
1900	16	22	46	68
1901	16	21	42	64
1902	15	20	40	60
1903	17	23	49	73
1904	17	23	50	75
1905	16	21	43	64
1906	16	21	42	63
1907	15	20	40	60
1908	15	20	40	60
1909	17	23	50	75
1910	17	23	50	75
1911	21	28	66	99
1912	18	24	52	77
1913	17	22	47	70
1914	22	29	70	105
1915	28	38	107	160
1916	42	56	210	316
1917	83	155	182	109
1918	113	194	500	229
1919	54	171	122	156
1920	36	116	159	338
1921	71	119	122	227
1922	32	79	118	149
1923	29	102	104	214
1924	55	175	135	89
1925	53	143	74	229
1926	54	120	169	90

Source: Described in main text.

Table C.2.D.:
Basic Prices, Processed Arable Products
 (Guilders per ton)

	Potato Starch	Bread and Rusks	Bran	Yeast	Wheat Flour	Rye Flour	Madder (Raw)	Beet- sugar
1846		300			249	83	455	330
1847		286			249	83	360	330
1848		272			159	56	350	256
1849		258			161	46	350	304
1850		244			155	52	360	283
1851		230			156	86	360	274
1852		235			171	107	420	259
1853		235			205	115	470	298
1854		305			258	142	380	305
1855		315			283	158	440	319
1856		263			263	148	460	412
1857		203			208	141	520	466
1858		180			179	118	460	341
1859		180			172	113	520	334
1860		185			203	111	550	346
1861		213			218	123	500	286
1862		216			197	118	400	285
1863		185			184	111	400	283
1864		169			174	99	320	350
1865		150			164	94	420	291
1866		173			147	97	330	279
1867		209			184	114	400	283
1868		230			196	137	375	304
1869		185			155	111	350	351
1870		150			145	101	430	334
1871		180			171	113	535	469
1872		200			164	108	550	340
1873		208			174	112	426	329
1874		220			166	120	531	323
1875		159			139	106	546	297
1876		170			146	105	256	307
1877		195			154	105	486	362
1878		205			149	98	446	357
1879		175			137	92	266	329
1880		185			144	109	266	329
1881		180			146	118	276	325
1882		185			148	110	266	317
1883		183			139	98	431	299
1884		175			113	96	416	235
1885		135			107	90	331	171
1886		125			106	89	249	145
1887		125			94	67	242	146
1888		125			107	83	348	189
1889		125			106	82	231	196

**Table C.2.D.:
Basic Prices, Processed Arable Products
(Guilders per ton)**

	Potato Starch	Bread and Rusks	Bran	Yeast	Wheat Flour	Rye Flour	Madder (Raw)	Beet- sugar
1890		125			109	82	346	150
1891		145			127	95	576	163
1892		145			112	101	451	165
1893		115			97	97	226	183
1894		115			89	92	197	138
1895		100			85	81	174	118
1896		100			95	65	167	126
1897		120			106	68	169	105
1898		135			123	71	211	112
1899		125			112	73	240	119
1900		120			112	73	277	122
1901	143	110			106	68	291	102
1902	138	110			106	62	302	81
1903	158	110			106	57	275	98
1904	178	110			106	57	275	119
1905	178	120			106	60	260	137
1906	158	120			106	60	270	105
1907	165	120			106	60	280	115
1908	156	130			118	65	250	125
1909	165	135		380	128	68	240	131
1910	170	125		365	123	68	250	152
1911	181	125		325	123	65	230	152
1912	183	125		320	123	68	240	148
1913	165	125		350	118	65	230	115
1914	178	125	46	385	126	62	250	123
1915	285	200	85	495	151	88	260	194
1916	320	215	145	440	151	99	280	271
1917	434	228	200	501	265	500	239	231
1918	417	399	100	557	281	192	196	190
1919	507	494	155	562	387	500	604	585
1920	324	648	137	633	376	412	697	675
1921	229	462	93	679	277	205	280	271
1922	231	608	81	686	177	134	198	192
1923	158	489	70	581	165	125	375	363
1924	200	276	84	512	180	148	375	363
1925	201	498	89	522	226	192	375	363
1926	168	464	69	520	185	154	375	363

Sources: Described in main text.

**Table C.2.E.:
Basic Prices, Processed Livestock Products
(Guilders per ton)**

	Butter	Various Hides	Cheese	Beef/Veal Fresh	Mutton Fresh	Pork Fresh
1846	750	598	250	450	400	540
1847	850	598	300	500	430	615
1848	880	457	250	470	415	600
1849	800	592	240	450	430	580
1850	750	638	230	400	420	560
1851	630	623	220	330	410	537
1852	700	489	220	400	400	613
1853	920	603	290	440	450	782
1854	950	537	290	550	500	828
1855	1000	636	310	570	550	843
1856	1080	783	330	650	550	843
1857	1060	1116	330	600	550	767
1858	1080	651	300	520	500	675
1859	1000	771	310	600	510	690
1860	1070	820	370	560	520	736
1861	1060	739	280	690	580	705
1862	1120	734	290	700	580	690
1863	1050	671	330	700	580	690
1864	1190	704	350	700	590	644
1865	1240	655	370	740	600	782
1866	1180	638	350	750	600	705
1867	1150	675	400	740	560	751
1868	1280	763	370	750	540	828
1869	1340	680	390	780	590	859
1870	1320	743	376	505	585	828
1871	1334	843	404	639	365	815
1872	1196	985	415	752	430	954
1873	1339	1026	479	761	435	871
1874	1386	990	445	748	427	829
1875	1410	910	399	744	425	877
1876	1498	762	371	698	399	932
1877	1389	774	406	718	410	886
1878	1269	709	341	751	429	846
1879	1210	702	330	706	403	785
1880	1370	791	360	724	414	877
1881	1311	817	380	742	424	769
1882	1251	807	408	760	434	880
1883	1261	805	425	765	437	823
1884	1052	799	367	715	409	792
1885	1096	789	285	655	374	685
1886	1078	715	315	585	334	615
1887	1095	702	352	525	300	646
1888	1088	615	349	555	317	785
1889	1137	597	360	630	360	862

**Table C.2.E.:
Basic Prices, Processed Livestock Products
(Guilders per ton)**

	Butter	Various Hides	Cheese	Beef/Veal Fresh	Mutton Fresh	Pork Fresh
1890	1098	569	334	650	371	738
1891	1112	569	357	630	360	677
1892	1150	551	396	600	343	708
1893	1160	536	411	600	343	692
1894	1070	492	382	600	343	585
1895	1030	620	401	550	314	600
1896	1040	582	408	520	297	492
1897	1030	608	445	520	297	538
1898	1050	657	456	520	297	600
1899	1103	659	478	540	309	523
1900	1155	598	554	613	368	554
1901	1180	675	507	607	331	646
1902	1135	705	533	647	350	692
1903	1117	780	516	690	359	608
1904	1116	929	560	657	368	608
1905	1222	884	530	653	386	715
1906	1245	1169	580	680	423	738
1907	1220	1154	590	663	552	708
1908	1282	974	560	673	460	677
1909	1285	1049	600	697	386	769
1910	1325	1049	620	740	526	808
1911	1417	1154	700	783	526	754
1912	1410	1274	660	830	580	882
1913	1340	1499	670	827	670	826
1914	1370	1559	732	817	460	836
1915	1755	1949	1124	973	770	1287
1916	2165	2024	1388	1137	660	1400
1917	2192	2189	1229	626	669	1674
1918	2948	2310	1337	1333	2000	2143
1919	3310	2433	1834	2868	2426	2631
1920	2748	2154	1421	976	1611	1840
1921	2410	1101	1295	1049	1109	1274
1922	1908	950	822	731	978	1049
1923	1727	1061	875	801	932	1021
1924	2012	1199	959	799	921	881
1925	2067	1294	1026	817	935	999
1926	1758	1172	831	681	754	1034

Sources: Described in main text.

Notes

1. For instance, W.A. Lewis, "The Rate of Growth of World Trade, 1830-1973", in: S. Grassman and E. Lundberg (ed.), *The World Economic Order - Past and Prospects*, Macmillan, 1981, and A. Maddison, *Growth and Fluctuation in the World Economy, 1870-1960*, *Banca Nazionale del Lavoro Quarterly Review*, no. 61, june 1962.
2. This article is a follow-up on an earlier research-project in which we analysed Dutch foreign trade before 1923 as a whole. Further details on classification of products according to industry of origin or industry of destination, on the definition of products, etcetera can be found in the (unpublished) report: D. Pilat (in cooperation with C.L.J. van der Meer), *Schatting van Nederlandse Import- en Exportreeksen, 1800-1950*, Groningen, 1987
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12. A review of Dutch trade statistics and its development can be found in: *Bijdragen tot de Statistiek van Nederland*, nieuwe volgrees no. 14, *op. cit.*, pp. 157 e.v.
13. For more details on the different tables we refer to SIUD or to *Bijdragen...*, no. 14, *op. cit.*, pp. 159-161.
14. Centraal Bureau voor de Statistiek, "Hoeveelheids- en prijs (unit- value) indexcijfers van de buitenlandse handel voor de periode 1921- 1939", *Statistische en Econometrische Onderzoekingen*, 2e kwartaal 1951, pp. 112-120
15. For all the criticism on SIUD we refer to for instance: 'Verslag van de Centrale Commissie voor de Statistiek over het jaar 1895'.
16. Jonge, J.A. de, *De Industrialisatie in Nederland tussen 1850 en 1914*, Amsterdam, 1968, pp.13.
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21. For some of these sources see: *Bijdragen...*, no. 14., *op. cit.*
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30. For the estimation of butter-exports we refer to appendix A.1.
31. *Statistiek van den In-, Uit- en Doorvoer*, 1913, preface.
32. An example in this respect are the enormous exports of lin-seed in the first years of the twentieth century while there was hardly any production of this product, see SIUD and *Verslag over de Landbouw*, op. cit..
33. This so-called "Gerschenkron" effect is treated in more detail in Gerschenkron, A., *Economic Backwardness in Historical Perspective*, Cambridge (Massachusetts), 1962. For a further analytical treatment of the index-number problem one is referred to: Allen, R.G.D., *Index Numbers in Theory and Practice*, London, 1975 and Usher, D., *The Measurement of Economic Growth*, Oxford, 1980
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37. Originally 1921-1939 from CBS, 1951; 1938 and 1946-1950 from CBS, 1949 for unprocessed agricultural products; 1938 and 1946-1948 from CBS, 1951 for processed agricultural products; 1948-1957 from CBS, 1959; 1958-1984 from CBS, Nationale Rekeningen. Chained in Van Ark, H.H., *Export Indices of Agricultural Products in the Netherlands*, 1900-1984, Groningen, January 1986, unpublished. For more details and for an analysis of agricultural exports over the period after 1926 we refer to the former studies.
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39. For instance: Van Zanden, op. cit.,
40. Long-term series for agricultural production will be presented in Knibbe, M., op. cit.
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42. Van Zanden, op. cit., pp. 347
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44. Sneller, Z.W., *Geschiedenis van de Nederlandse Landbouw*, 1795-1940, Groningen/Djakarta, 1951, pp. 66
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- 53. Knibbe, *op. cit.*
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