LAND UTILIZATION IN CHINA中國土地利用
STATISTICS
統計資料

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中國土地利用

STATISTICS

統計資料

A STUDY OF 16,786 FARMS IN 168 LOCALITIES, AND 38,256 FARM FAMILIES, IN TWENTY-TWO PROVINCES IN CHINA, 1929—1933

> 中國 22 省, 168 地區, 16,786 田場 及 38,256 農家之研究 (1929—1933)



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Sole Agents in China

THE COMMERCIAL PRESS, LTD.

SHANGHAL CHIN

中國及遠東經傳處: 上海商務印書館



PUBLISHED 1937

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一九三七年出版

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A REPORT IN THE INTERNATIONAL RESEARCH SERIES OF THE INSTITUTE OF PACIFIC RELATIONS 太平洋國際學會國際問題研究還書報告之一

PUBLISHED BY

THE UNIVERSITY OF NANKING, NANKING 南京金陵大學出版

And timed under the marjear of
THE UNIVERSITY OF NANKING
THE CHINA INSTITUTE OF PACIFIC RELATIONS
THE NATIONAL ECONOMIC COUNCIL
THE CENTRAL BANK OF CHINA

金 陂 大學 中 國 太 平 洋 國 際 學 會 全 國 經 濟 委 員 會 中 央 銀 行 印 行

Exclusive Distributors for China and the Far East 中國及途東統傳處:
THE COMMERCIAL PRESS, LTD., SHANGHAI 上海商務印書館

Exclusive Distributors for the United States 美國經濟處:
THE UNIVERSITY OF CHICAGO PRESS, CHICAGO 支加哥,支加哥大學印刷所

Exclusive Distributors for Great Britain and the Continent 英國及歐洲經市處:
THE OXFORD UNIVERSITY PRESS, LONDON 俭款 牛淮大學印刷所

LAND UTILIZATION IN CHINA

中國土地利用

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Other acknowlegments are made in the preface of the volume, Land Utilization in China 其他協助機關及人士均於木編序言中一件誌謝

統計資料為中國土地利用之第三編,得單獨應用,或與本論及地關集參用 非刊行目的在供各個查地區及一般從事研究工作而欲以不同方法分析該資料者 之參求。

本調查起原,方法與範圍,及應致謝者之姓名,另詳第一編本論.

初,民國十五年太平洋國際舉會在機會山召開年會、美國農館農業經濟科具 室博士 (Dr. O. E. BAKER) 倡議研究中國土地利用,與乃在鄉盛頓常創研究計劃。 十七年冬,太平洋國際舉會研究散轉申康德利夫博士 (Dr. J. B. CONDLIFFE) 泰華觀光,借中國分會總幹事陳立廷先生參觀全股大學,對於農業經濟系工作, 類相推計,比如委託本系提其土地利用調查計劃,說本系價提計劃,是准太平 洋國際學會中國分會轉是權客山總會,提交美國社會科學研究委員會,介紹於 活氏基金黨事委員會,申請賣助,故研究作用,終以洛氏所出居多,高誼墜情。 平城房寨

此項工作,乃太平洋國際學會中國研究事業之一部分,由金陵大學農學院 專業經濟系負責主持之。

本書印資,由三機關分任,計太平洋國際學會中國分會捐助奖金式于五百元,全國經濟委員會國幣式萬元,中央銀行國幣壹萬五千元,而後兩機關所以 出資利印地關集與被肝膏杆者,則財政部長孔庸之博士體察之力也。

"楊君銘祭,助編秋計,以底於政,工作浩繁,不辭努苦,樂覺可改。 本賴寄方,果於大於,訴以知行學後,又有不同,一言所屬,所傳紀之

本編章次, 異於本論, 溉以編訂先後,各有不同,一章飯果,所鑄鉛字, 即須再治,未逸久待.

地區排列,以八大農區高舉,每項之地區數目,平均數,或其他統計數字, 悉附每區,小麥地帶(該地帶所有地區),水稻地帶(該地帶所有地區),及全國 (本調查所有地區)之後。

加某表某地無某項材料,或有之而不適用者,關其地名,用省篇幅 本論各附註所被表次,常指統計資料與本論有附註者同名之某章而言。

名 詞 定 義

年齡(Ago)除特別註明外。悉依高法計算、保指最近一次生日之年齡而言。 中國年齡,惟親生日與新年之國循而定。無論生日,完在何時,每遇新年,輕 增一歲。故未表成自中國年齡中國去一歲,便與西洋各國相同,中國聖孫年在 三歲或三歲以下者,便以(用)計,不滿一歲者(西法)以月計、過者,一歲也。本 清年齡(佐舊法計算,而月份]周侯陰曆。中國習慣,除夕產兒(午夜十二時前),盟 日和原二金。

家畜單位(Animal Unit)以每一萬半萬一標準單位, 北地家畜普視狀食量, 及所產養量之多等, 化鸡家畜型核之倍數成分數, 例如, 豬五口, 水牛一頭三 之二, 馬一匹, 單一頭, 罐, 頭, 頭, 百隻, 哲學於一家畜單位.

平均數(Average)即算株平均數,乃變數每一數值均能影響之計算數,本調 查平均數大都以地區為單位,即將各地區之平均數再行平均之,此畫因各地區 無數方式附成不同耳。

豆 (Bean) 即黄豆,惟各報告者,祇名之曰 豆。

作物面積 (Crop Area) 即指田場中專種作物之土地面積而言。

作物分類 (Crop Hectare) 为同一年内同一地上所概各属作物之能公實數。中國語行推練制。故一公頃之作物面積,常等于兩作物公頃,或光過之。

作物指数(Coop Index) 計算任何地區作物捐數之法,係消各価作物一年間 所出之而積,——乘以該地區內各該作物之通常產量,所得絕達即提以各該作 物任全國之通常平均產級論之,則該地區各作物所得數之和,即等于總產組依 各概通常平均產級計算時所謂之總而積, 提以該地區生產各作物質斷之而相除 之,而以一〇〇乘其商數,即得該地區之作物指數。

例如甲地區信花, 解来, 小麥, 黃豆等通常產量所需之土地面積為六○公 頃、而臺屬通常中均產量所需之面積為九○公頃, 即為地區之作的產量拍數為 一五○○三×100-1500, 又如某地區小米每公司產量為一三公祖, 亳國小米平 均產量為一一九公祖, 依其持數態為一○九, 某地區每年銀有一次開作, 每公 頃產量為二六公祖, 而臺屬中的產量為三三七, 則其抬數為七七, 故各地區作 物指數可以表明該地區某種作物之產量與全國平均產量多寡之比較, 苟非各地 區之作物頓賴全同,則不能比較其總產類絕對之數量。

幣制(Currency)除特別註明外,均以國幣銀元為單位,元銀每百(上海)受 接美企之平均率如下:

年份	兌換率
一九二九	美金四一、五一(元)
一九三〇	二九・九〇
一九三一	二二、一四
一九三二	二一 . 四九
一九三三	二六・〇五
一九三四	三三・九一

家 (Family) 者指所有同居共食之视鶥而言,或為大家庭包括場主與北妻之 近觀,如場主之兄弟,兄弟媳、经男女、場主父母與屬工之屬:或為小家庭, 紙場主主要及非子女。

田場 (Farm) 者包舉場主所構或所管之全部土地,本調查中,田場乃場主及 其家屬維持生活之唯一來源。

縣豆 (Green (Mung) Bean) 之學名為 Phaseolus Aureus.

戶(Household)者指所有同居共食之人而言,非觀恩如雇工等,亦在其內、

縣 (Hsien)者・乃一政治區域、與歐西之縣 (County) 同・終縣必有一域、集 厥西縣治相似、定以縣名、印縣政府之中心、本調査之 (縣) 均指全縣、非獨縣 城而中、後限駐田者・スケ中原。

主要作物(Important Crops)即佔有全部調查地區作物公顷面積百分之一或 以上之作物。

人工等數(Man-equivalen)者,以一人在十二個月作工之等數計算工人數目 之法也,此名詞在本調查中,不僅適用於田場工作,亦且適用於一切副業。如某 人象有關業,田場工作,及休閒時間,即以副業及田場工作所佔時間之比例, 除北人工等數,例如一年即求人田場工作時間為六月、副業四月,休閒時間二 月,則以及人工等數十分之六條田場工作,十分之四條副業,至於北條間時間, 促定條由故二框工作。各依時間之外的所分給者、故田場工作,原可獲與之二 月,副業亦可摄版四、月,爰修工作之能特別於家事性資者,起不計入,北田 場及副業之月數須乘以〇、八,爰強工作月數須乘以〇、五、雇工工作之月數、 帶針入家庭勞工之人工等數件,以十二除總月數、即得人工等數、每田場之人工 等數常係期付日場工作相當人工

平均數 (Mean) 即質循平均數,

中數 (Median) 即某變數之各種數值依其大小猶大排列時最中間之一數值。 中數之中數乃各地區平均數之中數。

衆數 (Mode) 即變數數值中最常見之一數.

場主 (Operator) 即管理田場與通常參預勞作之農人.

自耕農 (Owner) 即耕職己有田場之場主。

牛 (Oxen) 即中國之黃牛, 凡母牛, 圈牛及未屬牛皆屬之,

宇自耕農 (Part Owner) 即發稱己有及租種田地之場主、

大豆 (Soybeans) 除转则標明外, 概指黃豆而言。

符號 (Symbols):

- 。 指該問題之答案等於客.
- 該問題不適用,或答案未詳。
- * 笃便利計、數日太小者不載入表內、均以是符表示之。其數日常小於一。
- † 表示有此用情形。

佃農 (Tenant) 者即祇有和韓田地之場主。

本與在所用之度量衡例 (Weight and Meaure) 循溝國公制。國改政府最近 頒布萬國公制高標準制。各地度最後制度現床多、為僅於比較起見。 己轉春單 材料好合標準制。少計表內、各地區無須互相比較、故的依當地區制、等地最高 單位等數見節十二章第二表

展開二十六年三月一日

調查總主任 下版

This Statistical volume is the third volume of Land Utilization in

This Statistical volume is the third volume of Land Utilization in China and may be used independently or in conjunction with the other two volumes, Land Utilization in China and Land Utilization in China—Atlas. It is published as a reference work for use in the localities surveyed and for research workers who wish to analyse the data in ways other than those presented in the first volume, Land Utilization in China—Atlas.

Full details about the origin, method and scope of the study and acknowledgments are given in the first volume, Land Utilization in China—The idea of a study of land utilization in China—was first suggested by the conference of the Institute of Pacific Relations held in Hosolului in 1926. A prospect was drawn up the study of the conference of the Institute of Pacific Relations held in Hosolului in 1926. A prospect was drawn up to the conference of the Institute of Pacific Relations, visited China in the vinter of 1928, he and Dr. L. T. Chen, Secretary of the China Study of the Institute of Pacific Relations, visited China in the vinter of 1928, he and Dr. L. T. Chen, Secretary of the China Council of the Institute, visited the University of Nanking. They accorably impressed with the work of the Department of Agriculture and the China Council and later by the International Research Committee of the Institute of Pacific Relations which appropriated from India given by the Rockefeller Foundation a series of grants for the given by the Rockefeller Foundation a series of grants for the given by the Rockefeller Foundation a series of grants for the given by the Rockefeller Foundation a series of grants for the given by the Rockefeller Foundation a series of grants for the given by the Rockefeller Foundation as series of grants for the given by the Rockefeller Foundation as series of grants for the given by the Rockefeller Foundation as series of grants for the given by the Rockefeller Foundation of the China China (1998) and the China China (1998) and the China China (1998) and the China China (199

DEFINITION OF TERMS

Age refers to age last birthday according to Western methods of Agr refers to age last birthday according to Western methods of computation, unless otherwise indigated. Ages in China depend on the relation of the time of birth to the Chinese New Year. A year is added to a person's age on each New Year's day rather than on the birthday itself. In this table one year has been subtracted from the Chinese age, thus making the data equivalent to age at last birthday as obtained in Western countries. A Chinese child of three years or under may have its age given in terms of "chow" ("gl), or, if under one year (Western), in months. The term "chow" is equivalent to one year. An infant born on New Year's Ewe (before 12 midnight) is two years old the next day.

next day.

An animal unit is estimated by taking the ox as a unit. Other animals are reduced to animal unit by considering an equal amount of feed eaten and manure produced as being equivalent to one unit. Thus five hogs, two-thirds of a water-buffalo, one horse, one mule, two donkers, or 100 chickens, equal an animal unit.

Aiverage is the mean, or arithmetic average, and is a calculated number affected by every value of a variable. Averages are computed for the most part by localities, that is, by average of averages, because the type of farming varies with the locality; for this reason the locality is the unit raken.

Beans are usually soybeans although the reporters only gave the

hectares.

Crop index: in constructing the crop index of any locality the areas of the different crops grown during the year are multiplied by the most frequent yields of each crop in that locality. The production so obtained is in each case divided by the average most frequent yield of that crop in China. The total of the results for the different crops in that locality is the area that would be required, at average most frequent yields in China, to yield the given production. This area is divided by the area actually required to produce the crops in the locality, and the result is multiplied by 100 to give the crop index for the locality.

For instance, if 60 hectares of crops in locality "A" produce at locality As most frequent yield the amounts of cotton, rice, wheat, soybeans, etc., which would require 90 hectares at average most frequent yields of all China, then 150 is the index of crop yield for the locality [2x] × 100—150. For example, a locality growing only millet and having 13 quintals per hectare as its most frequent yield would have an index of 109, since the average most frequent yield of millet for China is only 11.9 quintals. A locality growing only a single crop of rice and producing 26 quintals, he had a set to the control of the co

Year		Rate	Year		Rate
		US \$41.51	1932		US \$21.49
1930		29.90	1933		26.05
1931		22.14	1934		33.91

and his family.

The gren (Mung) bean is botanically known as Phaseolus aureus.

A household consists of all persons living and eating together, including non-relatives, such as hired laborers.

A hine is a political division corresponding to a county. Each hisen has a ciry, like a county seat, which bears the name of the hisen and is a center of government for the hisen. "Throughout this study the hisen names refer to the hisen rather than to the listen city, unless the latter is so specified."

Important crops are crops occupying one per cent or more of the crop in all the localities studied.

Important empi are crops occupying one pet cent or more of the crop area in all the localities studied.

Man-equivalent measures the number of workers in terms of the equivalent of one person doing the work for a period of twelve months. The term in this study was used not only to apply to farm work but also to subsidiary work. If a person worke only six months on the farm bur does no other work he is considered as giving a full year to farm work. If a person has subsidiary work, and farm work in the man-equivalent is divided between subsidiary work and farm work in proportion to the time occupied on each. For example, a man doing farm work six months of the year, subsidiary work for months and who is idle two months is computed as six-tenths of a man-equivalent for farm work and 4.8 months of subsidiary work. It is assumed that his idle time is supported by his two occupations in proportion to their respective lengths of time. Therefore, 7.2 months may be allocated to farm work and 4.8 months to subsidiary work. In the case of farm women the time spent in purely domestic work is not counted at all and the months of farm or subsidiary work are multiplied by 0.8, while the months of farm children's labor are multiplied by 0.5. The months of hired labor are added to the man-equivalent per farm always refers to farm work only.

Man is synonymous with the arithmetic average.

Man is synonymous with the arithmetic average.

Most is the mid-most, or central, value of a variable when the values are arranged in order of magnitude. Medians of medians are used for median by localities.

are arranged in order of magnitude. Medians of medians are used for median by localities,

Mode is the value of a variable that occurs with the greatest frequency.

Operator refers to the farmer who manages the farm and who usually participates in the manual labor.

The omner is an operator who works his own land.

Own refer to the "yellow cow," the literal translation from the Chinese. The female cow as well as the custrated and non-castrated animals are included in the term own.

A part owner is an operator who works his own land and rentred land. Sopheans are the yellow soybeans unless otherwise designated.

			XX	ž.		ww
	調査及編輯2	f一覧表	31	77-4-	食物營養(續)	
	第一章 氣恒			第十七	b表-17 河北阜平 22 農田 171 人 132.6 成年男子裏位食物消費之情形 (一九三一年一 月一日五太年十二日二十一日)	24
	W - 76	爾是		第十七	月一日高本年十二月三十一日) お妻下流 20 農川 136 人 105.6 竣年男子果佐倉油消費之情形 (一九三一年一	A.h.
	第二表第三表	爾曼酸少區域中在 24 小時以內傾注之兩量 · · · · · · · · · · · · · · · · · · ·	5	第十七	月一日至本年十二月三十一日) 比表-19 甘脂 天水 20 農月 130 人 99.9 成年男子單位倉籍清費之情形 (一九三—年—月	
	第四表第五表	型換表 中國之氣溫	# +		一日至本年十二月三十一日) ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	九十
	第六数	各區每年平均兩量之極充記錄	7	第十日	三十一日至一九三一年五月二十日)	*+
	第七表第八表	中國各省名稱之代表字母及其氣氣所之總計	九十	-	一旦光本年十二月二十一日) , , , , , , , , , , , , , , , , , ,	九十
	第九表第十表	1904-1929 年間各種災荒發生之次數及受其損害之官分比· 1904-1929 年間各刊發生水災風災旱災蟲災霜災及覆災之地區數目·	+=		上表-22 山岡平定 20 夏月 126 人 94.6 成年男子單位食物衡曼之情形 (一九三一年一月 ─日 五木化十二月二十一月)	
я	第十一表	1904-1929 年間各種作物署與歡減少產量百分二十以上而未或與者之地區數目		第十七)	10月7点。 東西 100 人 700 與年第 7 和 2 取締 100 民 2 常形 (一九二一年一月 一日本年十二月二十一日)	
	第十二表	及其百分比 1904-1929 年間按月分佈各種異常之比較指數	十七十八		with 21 standard of the standa	1-
	第十三表	與策	十九	第十七	月一日至本年十二月三十一日) は及-25 山間太谷 20 農門 87 人 71.4 皮尔男子県台合領治療プ徳県 (一五一五年二日	九一
	第二章 土地	中國ス大農區之耕地總面積,陸地總面積及耕地百分比之縣別		二		t-
	第二类	八大農區內耕地總面積之百分比:引用統計月報內之數字再根據土地 利用財務無以於正			一日至木年十二月三十一日)	r-
	第三表	自每農區農戶總數及每戶平均作物面積算得耕地佔總面積之百分比	E+		一日至本年十二月三十一日)	7-
	第四表第五表	各項報告來亞中轉地面積之百分比	=+	. WT-t3	2要-28 山岡武郎 20 農戸 174 人 137.1 政年男子單位食物消費 2情形 (一九二九年— 月一日至本年十二月二十一月)	
	第六表第七表	有生產之资地而積與有生產之公有水面面積及此用涂(估計)	三五	第十七2	几下十分上一下一片	
	第八张	土地所有權之類別及未別犯土地之數目 中國課地面積統計之比較 土地按總面積及生產力之分類	三七	第十七3	:表-30 使四整尼 20 農戶 178 人 136.0 成年男子單位食物消費之情報 (一九三〇年十	t=
	第九表第十表	各種土地用途佔田楊遠面積之百分比	三八四十		- 表 31	==
	第十一表	實有各種土地用途之田県家數之育芬比 田場內濟意之數員及其所佐之前韓	29-	M+ 67	一日也一九三二年六月三十日)	tΞ
	第十二表 第十三表	有收穫無收穫與休閒之作物面積各佔之百分比及實有各項面積之田緣之百分比	四三		- D 玉木中丁二月二丁一日) · · · · · · · · · · · · · · · · · · ·	E
	第十四表 第十五表	土地未聚之原因 平均每田場之田地塊較與年散之大小距離及數目	四四		※表-33 練習而有20量月101人76.0 或年男子單位食物清費之情形(一九三○年十月 一日至一九三一年九月三十日)	
	第十六表 第十七表	實有各項田塊數目之田場之百分比	四九		一口本 十二 かしりこしり	
	第十八表第十九表	灌敷 灌敷與核之變毫	五十	. 第十七》	· 表 35 安徽阜陽 22 農師 166 人 128.2 咸年男子單位倉塘消費之情形 (一九三一年—	
	第二十表	領地之地勢,灌漑及場田	五二	第十七人	及-36 安徽宿辖 20 農口 110 人 86.2 成年男子單位食物清景之情形 (一九三〇年一月	=
	第二十一表 第二十二表	按川場大小分組、租入田地面積所佔之百分比 自耕農、中自耕農及佃農之百分比	五五五五七			PS.
	第二十二表 第二十三表 第二十四表	自耕食,中自耕農及但農各有之田場面積 屬於各種相仰制度之田場之百分比	六十	Att 1 - 1 - 12	一日五木年十二月三十一日) 表-38 河南東坡 21 豊月 138 人 109 1 均如果工程の介格の無子はデジューター	. 199
	第二十五表第二十六表	按田場大小分組。賣會順積店田場總面積之百分比 按田場大小分組。因境與田坻之大小	大二		月十六日至一九三二年八月十五日) 九1 10 20 20 20 20 20 20 20 20 20 20 20 20 20	.09
	第二十六表	按田場大小分組, 田項與田址之大小 按田場大小分組, 作生產用途之面積所佔田場總面積之百分比	大三		月十六日至一九三二年八月十五日)	PS
		7善套		唯十七支	表40 阿丽德禄(s) 20 最月 102 人 71.3 废单男子单位食物清費之情形 (一九二九年 十一月一日至一九三○年十月三十一日)	
	第一表	地區之名稱。調度之溫年、調度之家數,人口機計及或年男子原位總計 各種食物之化集或另. 熱量,及機值含量 各類食物所供給之熱量由於田場自產品者之而分比	大大 大七	唯十七次	表-41 河南巡游(b) 20 農川 101 人 77.5 成年男子單位食物消費之情形(一九三一年 一月一日至本年十二月二十一月)	
	第三表示	各類食物所供給之熟量由於四腸自產品者之質分比 各類食物所供給之熱量由於購買品者之質分比	大九	第十 6 表		K
	第三级	在明显物列以称之公司图中的共和 4之目为此 李相查物所供给乙腈是由於自由採取或教受之權物者之首分比 清徵条析主要負担之農家之首分比	六九 七十	Wir by	下八日里一九二二年八月下五日)	H
	第四发第五发	每或年男子單位每日消費熱量總計及各類食物所供給熱量之百分比	七一七三	第十七岁	月十七日至一九三二年二月十六日) 表3 表4 河南沿陽 21 農戸 120 人 91.1 成年男子県位食物費を持続 (一九二〇年) 県	K
	第六妻	動物產品類食物熟量之消費量 久陽中與作物所集給特量之首為比	七四	第十七次	13 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	Ni.
	第八表	各種主要作物所実施對量之百分比 等或年男子單位每日消費之服白質量及各類食物所供給蛋白質量之百分比 等或年男子單位每日消費之飼質購買及職質量	七七	Mittel	一日至本年十二月三十一日)	-
	雅 十 凝	每成配见子單位每日消費含有各種維他会之食物之外及品	七九		表40 河北省菜(3) 72 員戶 104 人 128.1 版甲男子单位貨物消費之情形 (一九二九年 一月一日至本年十二月三十一日)	-
	第十一类 第十二类 第十三类	在過去二十年間各區內各種食物有淨着(+)或淨或(-)之農家家數 這經濟第之各種主要食糧之各種用途百分比 返三十年來各區主要食油之香養用途百分比	スー	第十七英	表47 河北昌聚(b) 20 農月 178 人 140.3 攻牟男子単位倉物首覆之情形(一九三〇年 一月一日至本年十二月三十一日)	
	第十三表	近三十年來各區主要食物之前費道勢 金藝術賣糧團之原則,有百分之十以上之物區屬及項與海米	スニ	第十七及	及48 河北正定 20 農口 163 人 122.5 成年男子單位食物預費之情形 (一九三一年— 日	
	第十五表	金物消費變圖之原則。有百分之十以上之地區屬是項戀還者 最近二十年內食物消費之學費(+)及淨滅()	KEN	第十七英	用。也是在企业,从200人(一)成年为于单位宣传的Q之情形(一九三一年— 用。日本年十二月三十一日) 表49 河南安河 20 農月 120 人 94.5 成年男子單位食物商優之情形(一九二九年-月	12
	第十六安A	小麥改製寫小麥粉之經過 高架改製寫高聚粉之經過	八五 八五	部十七英	(2) 1月 1月 1月 1月 1月 1月 1月 1日	e
	第十大表-C 第十大表-D	王蜀素改製為王蜀素約之經過 貴百改製為其豆粉之經過	八五 八五	第十七表	一日而本年十二月三十一日)	t
	第十六次日第十六次日	與可改與國家立即公民語 與可改與國家立即之民語 快可改則國際以即之民語 大學的對國際之間的	八五	等十七共	月一日至本年十二月三十一日) 現-52 対象金額 20 鹿月 152 人 120.7 政府県立海 (金融金額 大地田)	b
	第十七美山	又您也沒無人最早2-10% 「簡素與一二月 直到 177 人 1995 成年男子單位食物消費之情形(一九三一 第二月 日报一九三一年一月三十一日) 「報素型(三)の最上 14人 人 1995 成年男子單位食物消費之情形(一九三一 年一月 一日报一九三一年十二月三十一日 日報政策会)第二日 19人 人 60 司领年男子單位食物消費之情形(一九三二年一月 日報政策会)第二日 19人 人 60 司领年男子單位食物消費之情形(一九三二年一月	八五		リー日本本年エリニナー日)	
	m+ + 122-2	年二月一日至一九三二年一月三十一日)。 甘瀬阜蘭(二)20 夏月 148 人 105.8 或年男子單位食物清費之情形 (一九三一	人火	新十七股		
	M++28-3	年一月一日至一九三一年十二月三十一日) 计畫武義 20 章 P 130 人 98.0 战年男子单位食物消費之情形 (一九二二年一日	大大	新十七典	及54 何北通縣 19 展月 145 人 120.2 底里男子单位貨物需要之情形 (一九三〇年— 月一日至本年十二月十二日)	
	新十七岁-4 新十七岁-4	一日至來年十二月三十一日)。 率夏率夏 20 九月 111 人 87.9 成年男子单位食物消費之情形 (一九三二年一月	Note	新十七級	to CC - building on an and a state of the st	
		一月墨太年十二月三十一日)	八六	W-t-t-R-		
	第十七次-5	出國事長 20 農戸 101 人 79.5 成年男子單位食物消費之情形 (一九三二年一月 一日 都來年十二月三十一日)	八六	第十七次	一月五本年十二月三十一月)	
	第十七級-6	山西大同 19 皇戸 144 人 113.9 成年男子単位食物消費 2情形 (一九二九年— 1一日至太年十二月三十一日)	N. tr			
	第十七数7	月一日至本年十二月三十一日) 山河柳縣 20 真月 145 人 113.2 或年男子草仪食物消費之情形 (一九二九年—		州十七與	每-58 由東福田 20 農丹 117人 91.6 城市男子草位倉塘市费之情報 (一九三〇年十一 月一日面一九三一年十月三十一日) 九九	
	州十七月8	月一日重本年十二月三十一日) ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	N-ti	新十七英	及59 出東藍民 18 旦月 144 人 116.2 成年男子並位食物預表之情形 (一九三一年— 月一日至末和十二月二十一日)	
	第十七次2	月一日選本年十二月三十一日) ※関稿株 20 農月 158 人 121.9 成年男子単位食物消費之情形 (一九三〇年一	八七	新十七米		
	唯十七五-10	の商品企業と (M) (人) (10 (A)	NA	W-I-UA-	17-日本一九三一年十一月三十日) 現-61 山東蓉先 20 農月 145 人 108.7 成年男子単位食物消費之清料 (一九三〇年五	
M	M-1-626-11	一日至水平十二月三十一月)	AA	第十七人	(4) 位義総別の (2011年) 人が3 文章を手が取る食物研究 次替(一次三〇年下) 計一日本一九元一十十二十十 (2011年) (201	
A		- 日本米年十二月三十一日) 経道協議 22 農月 95 人 78.6 総年男子県位食物消費之情形(一九二九年一月 - 日 老本年十二月三十一日)	AA	WHEN	月一日重一九三一年一月三十一日)	
1	州十七派-12。	- 日本水平下ニカニー 41 /	лл			
	M-F-七为-13	青脚河東 33 萬月 267 人 195.7 成年男子單位套物預費之情形 (一九三一年一月一月至末年十二月三十一日)	11	州十七兆	101 田東即至 20 員月 161 人 1226 後年男子華位森特清景之情形 (一九二一年二月十七日至一九三二年二月十六日)	
	然十七典-14	月一日選末作中二月三十一日) 河南福寶 22 直野 98 人 77.4 東年男子単位食物育賣之清料(一九三一年一月 - 月 - 大 4 人 10 人 10 人	AA	和十七典	4-65 由東海率 20 農具 143 人 103.5 成年男子単位食物省役之情形 (一九二九年十一月) (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
1	M-1-626-15	一日至本年十二月三十一日) 河南協議 20 農口 107 人 80.5 被年男子單位寬樹消費之情終 (一九三一年一月		州十七八	□ 日本 (1 ← 1 ← 1 ← 1 ← 1 ← 1 ← 1 ← 1 ← 1 ← 1	
11	M-1-671-16	一日星本年十二月三十一日) 河南南區 20 直戸 193 人 148.8 成年男子果故食物消费之情悉 (一九三○年一	八九	M-P-u/A-	1-67 出東甲縣 20 農月 139 人 109.8 股邻男子单位食物消費之時形 (一九一九年)	
11		月一日源水學中二月三十一日) (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	八九		月一日新来年十二月三十一日)	
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	章 食物營 F七數-68 9	と数 (種)) 対数 風陽 21 農 月 167 人 127.6 成年男子単位食物消費之情形(一九三二年六			140			
	r七表-69 5	安徽重勝 21 農戸 107 人 127.6 战斗男子单位互动而冀之情形(一九二二年六 月一日電一九三三年五月三十一日) 安徽和縣 25 農戸 170 人 133.1 战年男子星位食物消費之情形(一九三二年一	-0-			第十七表-120	月二十七日至一九三一年二月十六日) 藤東中山 20 世 日 115 人 95.0 成年男子早位食物消費之情形 (一九三二年一月	-25
	H-H:98-70 S	用一日並本年十二月三十一日)					一日至本年十二月三十一日) 廣東根陽 20 意 日 134 人 103.7 成年男子單位食物消費之情形 (一九三○年二	_ <u>n</u>
	h-t-186-71 5	用一日系术年十二月三十一日) 安徽六安 20 農戸 120 人 96.5 成年男子単位食物清費之情形 (一九三二年一月				第十七表-122	月十七日至一九三一年二月十六日) 廣東高泰 20 豊月 94 人 760 成年男子早位食物消費之情形(一九三二年一月	
AL-	H-H:35-72 5	一日至本年十二月三十一日)				第十七表-123	開東高安 3 歳 2 大 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-
At-	十七表-73 5	リー日本年年十二月三十一日) 安徽議副 20 夏月 250 人 194.5 成年男子単位食物消費之情形 (一九三二年五 月二十日至一九三三年五月十九日)					一日 元本年十二月三十一日) 廣東茂名 20 酉月 145 人 106.8 成年男子早位食物消費之情形(一九三二年— 月一日 元本年十二月三十一日)	六
AT-	4 1-31.74 8	S好古典 10 费 ti 48 人 34 8 应尔里尼亚位金纳治费之情形 (一九二九年一月				第十七表-125	磨車衛星 20 四月 85 人 64.8 成年男子草位食物消費之情形 (一九三二年一月	=
群	十七次-75 1	- 1- 日本年十二月三十一日) - 日本年十二月三十一日) - 所立書店 21 豊 F 128 人 95.8 成年男子単位食物消費之情形(一九二九年二月 - 日曜一九三〇年一月二十九日) 新江総裁 20 豊 p 129 人 98.9 成年男子単位食物消費之情形(一九三〇年十月	-OE			第十七表-126	- 日至本年十二月三十一日)	t
	十七級-76	新江蘇維 20 農戸 129 人 98.9 成年男子單位食物消費之情形 (一九三○年十月 二十日重一九三一年十月十九日) 河南信陽 20 農戸 128 人 106.0 成年男子單位食物消費之情形 (一九三二年一	-0E			se.l. t. etc 120	月一日董本年十二月三十一日)	t
	十七岁-77	河南信島 20 農戸 128 人 105.0 股年男子單位政府所從之情形(一九三二年— 月一日至木年十二月三十一日)	-019			第十七表-129	一日至本年十二月三十一日) 資州廣義 22 頁 月 148 人 108.2 成年男子単位食物消費之情形《一九三二年一	A
		日至本年十二月三十一日)	-0M			M-1- 1:30-130	月-日至木年十二月三十一日)	A
	十七表-80	期表推翻 21 員月 133 人 1352 成年男子库企具物商家之清彩 (一九二一年) 川一日盃一九三二年十月三十一日。 請念整施 20 貴月 120 人 575 双年男子早总食物育食之情彩 (一九三一年) 十七日五一九三二年二月十六日 請念整多 20 員月 26 人 748 汉年男子平位食物消食之情彩 (一九三一年十月 請念整多 20 員月 26 人 748 汉年男子平位食物消食之情彩 (一九三一年十月	-019			第十七表-131	一日至末年十二月三十一日) 雲南宜食 20 風 ja 117 人 88.8 城 年 男子原位食物消費之情形 (一九三二年一月 一日至末年十二月三十一日)	
șt-	十七表-81	十七日重一九三二年二月十六日) 明北雷夢 20 夏戸 96 人 74.8 成年男子單位食物清費之情形(一九三一年十月	一〇五			第十七表-132	- 日本米平十二月三十一日) 密南家自 2+夏月 134 人 107.2 成年男子早位食物消費之情形 (一九三二年一 月-日亜木年十二月三十一日)	
雜		一日至一九三二年九月三十日) 江河彭澤 21 農戶 129 人 99.0 战年男子單位食物消費之情形 (一九三二年六月 一日至一九三三年五月三十一日)	-OH			第十七表-133	然而客川 18 世 121 人 88.0 成年男子單位食物消費之情形 (一九三二年一	九
M.	十七表-83	行動學執 20 應戶 84 入 63.4 应年男子單位食物清費之情形(一九二九年一月	-OH			第十七表-134	月一日並本年十二月三十一日 雲南是雄 19 東月 122 人 9.4 城年男子單位食物消費之情形 (一九三二年一月 一日 新木年十二月三十一日) 雲南元江 21 東月 115 人 9.9 城年男子單位食物消費之情形 (一九三二年一月	
雅		一日	-0六			第十七表-135	雲南元江 21 夏戸 115 人 91.9 成年男子單位食物消費之情形 (一九三二年一月 一日至本年十二月三十一日) · · · · · · · · · · · · · · · · · · ·	
38	十七表-85	行動推除 22 夏月 151 人 118.6 成年男子單位食物消費之情形(一九三二年十一月一日盃一九三三年十月三十一日) 江蘇江都 8 夏月 39 人 32.0 成年男子單位食物消費之情形(一九二九年一月一	-0六			第十七表-136	雲南玉溪 20 夏月 120 人 88.7 成年男子單位套物消費之情形 (一九三二年一月 一日五本年十二月三十一日) · · · · · · · · · · · · · · · · · · ·	
	十七岁-86	江蘇江都 8 農戶 39 人 32.0 成年男子單位食物消費之情形 (一九二九年一月一 日盃本年十二月三十一日) 江蘇泰縣 20 農戶 99 人 76.9 成年男子單位食物消費之情形 (一九三二年九月	-0*		A	第四章 家音	5與土地肥力之保持 每日處平均所有之各種家畜之數目	
		一日重一九三三年八月三十一日)	-0*			第二表第三表	開養各種家畜之間機之百分比 毎田場飼養家畜之題常數日	一二四
- "	十七表-88	江蘇於德(一)20 農戶 120 人 20 東平方下海 (東海州市東南州市 120 人 20 東	-0六			第四表第五表	各種家畜所合家畜單位之百分比 地家畜之用涂分類。每田場所有之家畜單位之百分比及無家畜之田場之百分比	一二九
	十七表-90	一月一日至本年十二月三十一日) 安徽休室 20 農戶 106 人 86.0 成年男子單位食物清費之情影(一九三二年一月	-0t			第 六 表 第 七 表	按田場大小分組、無任何來書之田場所佔之首分比 按田場大小分組、無工作來書之田場所佔之首分比 按田場大小分組、無生產來書之田場所佔之首分比	
		一日亚木年十二月三十一日) 浙江奉化 20 農戸 100 人 79.0 成年男子草位食物消費之情形 (一九三一年一月	-0t			第八表第九表第十表	按田場大小分組,每工人等數之工作家善單位	一三方
A	计七表-92	個江本北 一日五本年十二月三十一日) 新江地海 20 豊戸 98 人 75.9 東年男子単位食物消費之情形(一九三一年十一	-04			第十一表 第十二表	泰自之一四次 按田場大小分組。各組田場所產更料之數量 種植各種作物之農家施用更料來數所佔之百分比	-5 t
N	计七表-93	月二十二日至一九二二十 「一カー」 一日 新江麗水 20 貴声 85 人 65.5 成年男子單位食物清費之情形 (一九三一年十二 ローナー日本一九二十二十二日)	-OX			第十三表	田場智用更料之變遷 施用更料種類之變遷	-19
24	8十七数 94	新出版権の 真 F 93 人 75 3 東京 另下東京集物(資之港等) (一九三一年十一 川上十日日 第一九三二年十一月1十日日) 総正原本 20 貫 F 83 人 63 5 東年男子県企業物消費之博等 (一九三一年十二 月二十日 31 一九三二年十二月二十二日) 新出版金 21 頁 12 4 入 49 4 東南平和企業物(東之博等) (一九二年十月 一日 31 一九三〇年入月三十日)	-ox		- 3	有五章 物但	及稅則	
	8十七股-95	静江副議 20 豊戸 180 人 142.4 成年男子単位食精消費之情形 (一九三一年本 月九日至一九三二年七月八日)	-OX			第一 表第二表之一	磁製真家所得真產品售價之指數時所用之物品及複數 真家所得真產品售價之指數。1906-1933 (1926—100) 1809-1905 年貢家所得貢產品售價之相數(1926—100)	一四大
	8十-七数-96 8十-七数-97	時に副族 3 豊戸 189 人 162-4 原年男子中は夏が町長で前下(一九二一年27 月九日電一九三年末月7日) 野江保護 (一) 20 豊戸 138 人 196-2 成年男子早位食物商量之情形 (一九三一年八月十六日至一九三二年八月十五日) 副江保護 (二) 20 豊戸 89 人 69-3 成年男子早位食物商夏之情形 (一九三一年	一0九			第二表之二 第 三 表 歌四男クー	1809-1905 年頁來所得這雜品書頁之指數 (1920—100) 個製賣家支付之等售價結捐數時所用之補數品及生產品 賣家支付消費品及生產品之等售價結捐數、1906-1933	一致〇
	8 T-UK-21 8 T-UK-28	八月十六日並一九二二年八月十五日/ · · · · · · · · · · · · · · · · · · ·	一〇九			第四表之二 第 五 表	青海西寧奥家支付清費品及生產品之零售價格指數, 1888-1905 田場年工工資捐款, 1901-1933 (1926=100)	-H-
		十日至一九三二年九月九日)。	-On			第 六 表 第 七表之一	工作(20年本 (1995年) 1906-1933 (1926—190)	-363 -363
1	第十七表-100	十六日至一九三二年八月十五日)				第七表之二 第七表之三	每公顷下等地盘人向宏地及转政府所撤销之校都及其相類(校徽以继元為單位) 每公顷中等地盘人向宏地及转政府所撤纳之校额及其種類(校徽以继元奠集位) 每公顷中等地盘人向宏地及联邦府所推纳之校额及其種類(被额以继元黨集位) 每公顷上等地盘人向宏地及联邦府所推納之校额及其種類(微氮以继元黨集位)	-364
		語南常徳 20 長戸 11 人 85.3 版中男子単に基づ前収之前か(一九三二年下ガ 一日五一九三三年入月三十日) 前南節化 19 長戸 82 人 62 成年男子早位食物消費之情形(一九三二年三月 一日五一九三三年二月二十八日)				第 八 表 第 九 表 第十表之一	每公司普通田地農人向縣政府所植納之稅額(原元) 每公司普通田地農人向縣政府所植納之稅額估數 田地價格指數 1901-1933 (1926—100)	一次
,	第十七岁-102	一日 (11 元年 1 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元				第十次之二	間端風煙所 1895-1990 年中國安徽定巡印地價條捐數 貴人所得小米價格之手都是化核數	一次从一次从
				- 10.0		第十二表 第十三表	急人所得相價格之季節變化推散 商人所得小麥價格之季節變化指數	-40
		一月一日 第一九二二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	-			新十四天 第六章 作年	意人所得各種頁產品價格之季節變化拍數 fo	10
		一日選本年十二月三十一日)	-			和 一 表	各類作物信作物公征總面積之首分比	-4:
		一日至本年十二月二十一日)。 一日至本年十二月二十一日)。				第二 失 第三 失 表 四 苯	各種印物名印物公里總面積之百分比 按所名印献公里面積之比例各租主要印物應例之等級 各萬各種印物所名印物面積之百分比	-40
	er 4 - 1 - 100 - 1000	一日至本年十二月三十一日) 2788年月 20 章月 104 人 76.2 库尔贝子里位金物清查之情形(一九三二年一月)				第五类	新聞 de 188 (1) 26 - 2 (1) 30 - 2 (2) 10 (2) (2) (3)	-X!
		一日型本年十二月二十一日)				第七股	各個中華信仰的直接之首分比 按個位學到分類。各類中華信仰的直接之首分比 所有作物之下的產品。簡单產品,最高產品及通常產至之比較(沒每種與之通常 亦是一100	-X-
	第十七表-110	田道・北京 日本 日本 日本 日本 日本 日本 日本 日				解光炎	各種主要作物每公顷之通常產量(公租)(各地區有首分之二十或以上之用基础	208
	第十七岁-111	四川県長 20 良月 147 人 108.8 成年男子単位真物市賃之前か (一九二九年— 月-11 選水年十二月三十一日) 周川高貴 20 農月 121 人 92.4 成年男子単位真物市賃之情形 (一九三〇年一月 				州十次		204
	第十七次-112	四川前線 8 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元 元				从一十章 从二十章 线三十章	作的企業指數(個量全國各地國各種主要作物國常產基之平時數) 各種 1,20平均之間或作物。公司國常產量(公數)。 各學園港中地之間或作物公司國際產量(公數)。 各種 1,20平均之間或用機以作物公司國際及作物關鍵之首分比 各種 1,20平均,因	3-p
	第十七次-113	原列制路 24 人 真月 153 人 1215 成年男子早健政治所資之情報(一九三〇年 - 川 - 日本水平に月三十一日) - 四川康宏 20 恵月 83 人 66 5 城中男子単位表地情景之情形(一九二九年一月 - 日恵水平十二月三十一日) - 四川藤宏 20 恵月 131 人 942 成年男子単位集物消費之情形(一九三一年一月				表四十章 表正十章	各種主要作物企構改造表不進流地内等公司之通常進量(公租) 物作物出物がロラブリル、本質性影響などが認	27.75
		一日重本年十二月二十一日)・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	1000	ч		第十六表	各種作品各項用途之首分比。 各種作品財產各項目途之首以比	NO
	新干电路·110	一日至末年十二月三十一日). 編建宿田 20 進月 113 人 87.2 成年男子単位食物消費之情形 (一九三一年七月		N		第十八次 第七章 田は	作物技術制	H. W.
	第十七典-11	- 福祉産安 20 直月 102 人 70 2 成年男子等を表質物質を定律が (一九三七年一) - 日 日本年十二三三十一日) - 福祉管団 20 直月 113 人 67 2 成年男子単企食物消費之情形 (一九三一年-日月 - 十八日子-九三二年-日月-平五日) - 講問資産 10 直月 131 人 103 9 成年男子単位食物消費之情形 (一九三二年-		N		雅 - 洪	以用语言模件协会被支用协会相当模之不均能及中新测量之间像大小 用第三组营当模及其进用 用模大小之提进	
	無十七次-111	月一日並未年十二月三十一日) 第四世曜 20 島戸 83 人 63.6 成年男子早位食物消費之情形 (一九三二年一月				州三共 共三州	田橋之間等所權及其遊問 田橋大小之總理 	SAR
		一月選末年十二月三十一日)					The state of the s	43

					70.00									17(8)
第七表 田場企業之大小(樹)				真數	第九章	農洋	運銷(積)						
就 五 表 各组田場平均田	る面積シナル				ニカー	雅 六	35	意亦品各項運動	加索太之百	外比				三四八
	七小(公顷) 間分之紅河				_h=	献七		西南品之经入						三四九
第 七 差 田場大小男作物					二九五	第ス		意產品之輸出						三五〇
第 八 表 田場大小男作物					二九六									
	為人工等數之關係				二九七	第十章	生花	程度						
	工物動作物公坦之關係				二九八	W -		場主工作服裝之						三五一
第十一表 田場大小男毎作	始公司之工作家者是位之關	tf			ニカカ	第二		場主装飾取扱さ						三五五
第十二表 田場大小奥意片	大小之驅循					第 三		小田楊每家所有						三五七
	物等數之生產量(公斤)				E0-	郑 四		房国在海边上2						三六三
第十四表 各田田場中每人	工等數之發物等數之生廣量	(公斤)				第五		平均每人所有公						三六九
et I de man ét de						第六		不均每間所有之						Eto
第八章 田場勞力						第七		小田場住用设置						三七一
第 一 表 從事田場工作及						第八		小田場住用历						ニセゼ
	田場工作之百分比及其工作				EOM	第九		小田場奠金內名						
	内之作工(十五歲以上六十亩	是以下			三〇六	第 十		小田場真家芥川						三スス
					EOE	第十一		小田場毎田場8						三九四
第 五 丧 按月分配休閒時					EOX	第十二		近年來田場生活						MOE
	则案及他项工作之进款				三〇九	第十三		每田場平均每年						MOM
	页道就所佔之百分比					第十四		田場借款或信用						MOM TOM
第 不 表 是事勞力之缺乏						第十五		田場借款者及						四〇六
	公顷所需人工日數				三一四	第十二								MON
	工作所需之人工百分比(佔	作特德面積百分	之一或以上	2%		第十七		田場平均每家之	299811KH1					M-E
					==0	第十万	136	農業情形						194
第十一表 美國田場上之工					三二七	第十一章	1 1							
第十二表 田場工資(銀元					三二人	at -	185	八大四東區中	西斯市市	尼耳動 (6	17-F	J#)		四一六
	公顷所需害工日數					第二		家庭之大小、严						MEO
	工作所属之畜工石分比		* "		三三本	W =		人口密度						MEE
其他各種工作首	分比之附註					95 ES		**田場大小分	II. 31.75-25 B	ti She ini Aid T	47.人1	7		四二点
節九章 魯彥運館						第五		人口之學酒						四二六
								n He ate 307						
	及售與各購買者之百分比。	收機後即行門	曹者之自分出	比处一		第十二章	,E 48	2.告來源						
	產品所純之日數				三四三			调查炎格						Biblib
	運輸方法自田場逐至當地市				三四四	群 一		调查材料來源:						四六四
	之真產品自縣城運至市場之				三四五	第二	32	本地衝度單位	合萬國公制	配位				四七三
	市場等廷瑙英里之平均逐輪				三四七	勘談法	16							网七五
慈 五 表 良產品運至縣外	市場每班順英里之平均運輸	加本(田元)。			=:108 G	MU OK 4	-							

TABLE OF CONTENTS

PERSONNEL	Page			Pag
PREFACE	v	Table 17-2	Consumption of food products for 20 farm households, 148 persons, 105.8 adult-male units, at Kaolan (2) Kansu (January 1-December 31, 1931)	
CHAPTER I—CLIMATE		Table 17-3	Consumption of food products for 20 farm households, 130 persons, 98.0 adult-male units, at Wuwei, Kansu (January 1-December 31, 1932) Consumption of food products for 20 farm households, 111 per-	
Accessible weather data Table 1 Precipitation Table 2 Heavy precipitations in 24 hours in areas of low rainfall	1 3	Table 17-4	December 31, 1932) Consumption of food products for 20 farm households, 111 persons, 87.9 adult-male units at Ninesia Ninesia (Japaner I.	8
Table 4 Conversion table Table 5 Temperature in China	6	Table 17-5	consumption of took products for 20 farm noueenoids, 111 persons, 875 adult-male units, at Ningsia, Ningsia (January 1-December 31, 1932) Consumption of food products for 20 farm households, 101 persons, 79.5 adult-male units, at Ningsia, Shanii (January 1-December 31, 1932)	- 8
Table 6 Supplementary rainfall data—annual means, by areas	8	Table 17-6	December 31, 1932) Consumption of food products for 19 farm households, 144 per-	8
symbols	9	Table 17-7	Consumption of food products for 19 farm households, 144 persons, 113.9 adult-male units, at Tatung, Shansi (January 1-December 31, 1929) Consumption of food products for 20 farm households, 145 per	8
Table 10 Number of localities for which different months were reported to be	13	Table 17-8	December 31, 1929) Onsumption of food products for 20 farm households, 145 persons, 113/2 adult-male units, at Tsinglo, Sharsi (January 1-Consumption of food products for 20 farm households, 161 persons, 119/0 adult-male units, at Tingpten, Shensi (January 1-December 31, 1930)	8
Table 10 Number of calmittees occurrent during the period 1904-1929 and the Table 10 Number of calmittees occurrent during the period 1904-1929 and the Table 10 Number of localities for which different months were reported to be the usual time of occurrence of damage by flood, wind, drought, insects, frost and hail during the period 1904-1929. Table 11 Number and percentage of localities having various crops reduced by 20 per cent or more, without famine, by different causes during. Table 12 Indeed of the relative distribution of calmittees he works 1001-1003.	16		sons, 119.0 adult-male units, at Tingpien, Shensi (January 1- December 31, 1930)	87
20 per cent or more, without famine, by different causes during the period 1904-1929. Table 12 Index or the relative distribution of calamities by months, 1904-1929	17 18	Table 17-9	Consumption of food products for 20 farm households, 158 per- sons, 121), adult-rate units, at Yulin, Shers (January 1- Consumption of food products for 21 farm households, 104 per- sons, 90.7 adult-male units, at Kweekus, Suiyuan (January 1- December 31, 1929) products for 22 farm households, 95 per- consumption of food products for 22 farm households, 95 per- december 31, 1929, units, at Patrone, Suiruan (January 1- December 31, 1929) units, at Patrone, Suiruan (January 1-	87
Table 13 Famines	19	Table 17-10	Consumption of food products for 21 farm households, 104 persons, 90.7 adult-male units, at Kweisui, Suiyuan (January 1-	
CHAPTER II—THE LAND		Table 17-11	Consumption of food products for 22 farm households, 95 per-	88
Table 1 Total cultivated area, total land area, and percentage cultivated in the cight agricultural areas by hsien. Table 2 Percentage of total land area cultivated in the cight agricultural areas,	21	Table 17-12	Consumption of lood products for 22 tarm households, 95 per- becember 3, 1929 on a 2 Paono, Surjuan (January Locomber 3, 1929) on The Consumption of food products for 28 farm households, 311 per- sons, 2104 salite male units, at Fivangeum, 5 rusphat (January 1- December 31, 1931) on the products for 23 farm households, 267 per- pendicular products for 23 farm households, 70 per- pendicular products for 22 farm households, 70 per- son, 77.4 adult-male units, at Lington, Honan (January 1- December 31, 1931)	88
calculated by applying a correction factor from Land Utilization their data to Statistical Monthly figures Table 3 Percentage of total land area cultivated as calculated from number of	30	Table 17-13	sons, 219.4 adult-male units, at Hwangyuan, Tsinghai (January 1-December 31, 1932)	88
Table 3 Percentage of total land area cultivated as calculated from number of farm households and the average size of farm crop area in each agricultural area	30	Table 17-14	sons, 195.7 adult-male units, at Sining, Tsinghai (January 1- December 31, 1931)	88
Table 4 Percentage of land area cultivated according to different sources of information	30 31	77.11. 17.15	sons, 77.4 adult-male units, at Lingpao, Honan (January 1- December 31, 1931) Consumption of food products for 20 farm households, 107 per-	88
Table 6 Productive uncultivated land and productive public water area and their uses (estimates)	33	1 ADIC 17-15	Consumption of food products for 20 farm households, 107 persons, 80.5 adult-male units, at Loyang, Honan (January 1-December 31, 1931)	89
Table 8 Reliability of statistics of cultivated land in China	35 37 38	Table 17-16	soon, 80.5 adult-modules of 20 mm independent of pro- grams of the property of the property of the pro- consumption of food products for 20 farm households, 193 per- son, 1458 adult-male units, at Tsyuan, Honan (January 1 December 3), 1930	89
Table 10 Percentage of farm area in various uses	40 41	Table 17-17	Consumption of food products for 22 farm households, 171 persons, 132.6 adult-male units, at Fowping, Hopeh (January 1-December 31, 1931)	
Table 12 Number and area of graves in farms Table 13 Percentage of crop area harvested, unharvested, or idle, and percentage of farms on which each occurs	42	Table 17-18	Consumption of food products for 20 farm households, 136 persons, 106.6 adult-male units, at Pingliang, Kansu (January 1-December 31, 4931)	
Table 14 Reasons for uncultivated land	44 47 48	Table 17-19	Consumption of food products for 20 farm households, 130 persons, 99.9 adult-male units, at Tienshui, Kansu (January 1-December 31, 1931)	89
Table 1/ Percentage of farms with specified number of fields	49 50 52	Table 17-20	December 31, 1931) Consumption of food products for 21 farm households, 101 persons, 76.2 adult-male units, at Anyi, Shansi (October 31, 1930-	90
Table 19 Changes in irrigated area	53 55		September 30, 1931) Consumption of food products for 20 farm households, 111 persons, 86.8 adult-male units, at Lin Hsien, Shansi (January 1-	90
Table 23 Size of farms by ownership	57 60 61			90
Table 24 Percentage of rented farms having the specified renting system Table 25 Percentage of farm area in farmstead by size of farm Table 26 Size of parcels and fields by size of farm Table 27 Percentage of farm area in productive uses by size of farm	62 63 65	Table 17-23	Consumption of food products for 20 farm households, 126 persons, 94.6 adult-male units, at Pingting, Shansi (January 1-December 31, 1931). Consumption of food products for 22 farm households, 113 per-	90
CHAPTER III—NUTRITION		Table 17-24	sons, 85.0 adult-male units, at Showyang, Shansi (January 1- December 31, 1931)	91
Table 1 Name of localities, year to which data pertains, number of families studied, total number of persons and number of adult-male units Table 2 Chemical composition, calorific value and vitamin value of foods	66	74010 17-24	Consumption of food products for 22 farm households, 113 per- sion, 85:0 adult-male units, at showayan, Shanai (January 1- December 31, 1931) December 31, 1931) Consumption of food products for 21 farm households, 132 per- sons, 112.4 adultimale units, at Sin Hisen, Shanai (January 1- December 31, 1929) Consumption of food products for 20 farm households, 87 per- sons, 114.4 adultimale units, at Talku, Shanai (January 1- December 31, 1940) Consumption of food products for 20 farm households, 124 per- sons, 124.4 adultimale units, at Tsincheng, Shanai (January 1- December 31, 1940) Ocusumption of food products for 20 farm households, 146 per- Jones (January 1- December 31, 1940)	91
Table 2 Chemical composition, calorific value and vitamin value of foods consumed Table 3-A Percentage of the food calories derived from each source that is	67	Table 17-25	Consumption of food products for 20 farm households, 87 persons, 71.4 adult-male units, at Taiku, Shansi (January 1-December 31, 1929)	91
Table 3-B Percentage purchased of food calories derived from each source	68 69	Table 17-26	Consumption of food products for 20 farm households, 124 per- sons, 92.8 adult-male units, at Tsincheng, Shansi (January 1- December 31, 1930)	
Table 3-C Percentage of the food calories derived from each source that is collected free of charge or received as a gift	70 71	Table 17-27	Consumption of food products for 20 farm households, 167 persons, 123.7 adult-male units, at Tsingyuan, Shansi (January 1-December 31, 1930)	
Table 4 Percentage of the food catones verview not coal modern food and the food catones verview not coal modern food food food food food food food foo	73 74	Table 17-28	Consumption of food products for 20 farm households, 174 persons, 137.1 adult-male units, at Wusiang, Shansi (January 1: December 31, 1929) Consumption of food products for 20 farm households, 105 per-	92
Table 6 Inside of armoid food calorites Table 7 Percentage of calories supplied by different important staple crops. Table 8 Daily Inside of protein per adult-male unit and percentage of Table 9 Daily Inside of protein uppelled by different classes of food Table 10 Daily Inside of protein uppelled by different classes of food Table 10 Daily Inside of the Company of the Company of the Company of the Company of Table 10 Daily Inside of the Company of the	75	Table 17-29	December 31, 1929) Consumpts of food products for 20 farm households, 105 persons, 86.4 adult-male units, at Chenan, Shensi (January 1-	
Table 9 Daily intakes of calcium, phosphorus, and from per adult-male unit Table 10 Weight in grams of foods containing the specified vitamins con-	78	Table 17-30	December 34, 1931) Consumption of food products for 20 farm households, 178 persons, 136.0 adultanale units, at Chowchile, Shemi (Acrobae 1)	92
Table 11 Number by which families having a decrease () in consumption of various foods during the last twenty years exceeded those		Table 17-31	1930-September 30, 1931) Consumption of food products for 20 farm households, 93 per-	92
having an increase (+), or vice versa Table 12 Percentages of the chief staple food products marketed which are	81	Table 17-32	sons, (4.0 adult-mase units, at Snang Pisten, Snensi (July 1, 1931-June 30, 1932). Consumption of food products for 13 farm households, 97 per-	93
Table 13 Trends in consumption of important toods since 1904	82	Table 17-33	sons, 0.1.0 adult-male units, at Sunyi, Shensi (January 1- December 31, 1931)	93
Table 15 Net increase (+) or net decrease (-) in food consumption during the last twenty years	84 85	Table 17-14	sons, 76.0 adult-male units, at Weinan, Shensi (October 1, 1930-September 30, 1931)	93
Table 15 Net member has not per cent of the localities having the change. Table 15 Net member (a) or not decrease (b) in fixed consumption during Table 16.4 Processing of what for wheat flour before consumption Table 16.6 Processing of what for wheat flour before consumption Table 16.6 Processing of conditions for knoising flour before consumption Table 16.0 Processing of corn for or on flour before consumption Table 16.9 Processing of early beam for seasy beam flour before consumption Table 16.9 Processing of green beam for green beam flour before consumption Table 17.1 Consumption of flood products for 21 farm households, 172 persons, 130.8 adult-male units, as Kaolan (l) Kanso (February 1, 1931-) journay 31, 1932).	85 85	matter and	December 31, 1929) December 31, 1929 of Consumption of tool products for 20 farm households, 105 persons, 3604 shall-male units, at Cheena, Shensi (January 1-Consumption of food products for 20 farm households, 178 persons, 136.0 shall-male units, at Chowchin, Shensi (October 1, 1930-September 30, 1931) Consumption of food products for 20 farm households, 378 persons, 74.6 adult-male units, at Shang Hiene, Shensi (October 1, 1930-September 30, 1931) Consumption of food products for 13 farm households, 93 persons, 61.6 adult-male units, at Sunsi, Shensi (January 1, December 31, 1931) Consumption of food products for 20 farm households, 101 persons, 7.60 adult-male units, at Sunsi, Shensi (October 1, 1930-September 30, 1931) Consumption of food products for 20 farm households, 97 persons, 7.60 adult-male units, at Weisman, Shensi (October 1, 1930-September 30, 1931) Consumption of food products for 20 farm households, 101 persons, 102 adult male units, at Towyson, Ashowe (January 1-1930-September 31, 1931) Consumption of food products for 20 farm households, 160 persons, 1282 adult male units, at Towyson, Ashowe (January 1-December 31, 1931)	03
Table 16-D Processing of soybeans for soybean flour before consumption Table 16-E Processing of green beans for green bean flour before consumption.	85 85		sons, 128,2 adult-male units, at Fowyang, Auhwei (January 1-	
Table 16-F Processing of barley for barley flour before consumption	85	Table 17-36	Consumption of food products for 20 farm households, 110 persons, 86.2 adult-male units, at 3u Hsien, Anhwei (Jamare I.	93
1, 1931-January 31, 1932)	86		December 31, 1930)	94

Table 17-37	Consumption of food products for 11 farm households, 76 persons, 57.3 adult-male units, at Chi Hsien, Honan (January 1-December 31, 1930)	Page	Table 17-75	Consumption of food products for 21 farm households, 128 persons, 95.8 stull-male units, at Tehting, Cheking (February 10, 1929-) junuary 29, 1930) Consumption of food products for 20 farm households, 129 persons, 95.9 stull-male units at Yuyan, Cheking (October 20, 1930-) Cerober 19, 1931) Consumption of food products for 20 farm households, 128 persons, 106.0 stulle-male units, at Suyang, Homas (January 1-December 31, 1922) Consumption of food products for 9 farm households, 128 persons, 105.2 stull-male units, at Chunquing, Hupch (January 1-December 31, 1922) Consumption of food products for 21 farm households, 133 persons, 105.2 stull-male units, at Tavogna, Hupch (Vorentee 1, 1930-) Consumption of food products for 21 farm households, 130 persons, 105.2 stull-male units, at Tavogna, Hupch (Norentee 1, 1931) Consumption of food products for 20 farm households, 120 persons (105.2 stull-male units, at Tavogna, Hupch (Norentee 1, 1931) Consumption of food products for 20 farm households, 120 persons (105.2 stull-male units, at Tavogna, Hupch (Norentee 1, 1931)	Page
Table 17-38	December 31, 1930) Consumption of food products for 21 farm households, 138 persons, 109.1 adult-male units, at Hangcheng, Honan (August 16, 1931-August 15, 1932) Consumption of food products for 21 farm households, 147 persons, 1104 adulte-male units, at Kaileng, Honan (August 16, 1932) Consumption of Maddie-male units, at Kaileng, Honan (August 16, 1932) Consumption of Adulte-male units, at Call farm households, 102 persons, 13-3 adulte-male units, and produce (August 16, 1932) Consumption of food products for 20 farm households, 101 persons (13-3) adults and (13-3) adults for 20 farm households, 101 persons (13-3) adults (13-3) adults for 20 farm households, 101 persons (13-3) adults (13-3) adults for 20 farm households, 101 persons (13-3) adults (13-3)	94	Table 17-76	10, 1929-January 29, 1930) Consumption of food products for 20 farm households, 129 persons, 98.9 adult-male units at Yuyao, Chekiang (October 20,	
Table 17-39	Consumption of food products for 21 farm households, 147 persons, 110.4 adult-male units, at Kaifeng, Honan (August 16, 1031).	94	Table 17-77	1930-October 19, 1931) Consumption of food products for 20 farm households, 128 persons, 106.0 adult-male units, at Sinyang, Honan (January 1-	
Table 17-40	Consumption of food products for 20 farm households, 102 persons, 71.3 adult-male units, at Linchang (A), Honan (November	94	Table 17-78	December 31, 1932) Consumption of food products for 9 farm households, 46 persons, 36.0 adult-male units, at Chungsiang, Hupeh (January 1-	104
Table 17-41	Consumption of food products for 20 farm households, 101 persons, 77.5 adult-male units, at Linchang (B), Honan (January	94	Table 17-79	Occumber 31, 1929) Consumption of food products for 21 farm households, 133 persons, 105.2 adult-male units, at Tsaoyang, Hupeh (November	104
Table 17-42	Consumption of food products for 20 farm households, 113 persons, 93.3 adult-male units, at Nanyang, Honan (August 16,		Table 17-80	Consumption of food products for 20 farm households, 120 persons, 95.7 adult-male units, at Yingcheng, Hupeh (February	104
Table 17-43	Consumption of food products for 20 farm households, 136 persons, 101.8 adult-male units, at Shangkiu, Honan (February 17, 1031 February 16, 1022)	95	Table 17-81	Consumption of food products for 20 farm households, 96 persons, 74.8 adult-male units, at Yunmeng, Hupeh (October 1,	
Table 17-44	Consumption of food products for 21 farm households, 120 persons, 91.1 adult-male units, at Tsinyang, Honan (January 1-December 31, 1930)	95	Table 17-82	Consumption of food products for 21 farm households, 129 persons, 99.0 adult-male units, at Pengtseh, Kiangsi (June 1, 1932-	105
Table 17-45	sons, 71.3 adulemate units, at Linchang (A), Honan (November 1, 1929-October 31, 1930). Comumption of food products for 20 farm households, 101 per- John Commission of the Commission of Linchang (B), Honan (January 1-December 31, 1931) are libriding (B), Honan (January 1-December 31, 1931) are libriding (B), Honan (January 1-December 31, 1932). Commission of food products for 20 farm households, 136 per- formanythin of food products for 20 farm households, 136 per- John Commission of food products for 21 farm households, 120 per- sons, 91.1 adult-male units, at Tsiriyang, Honan (January 1- December 31, 1932). Commission of tood products for 21 farm households, 130 per- John Commission of tood products for 21 farm households, 130 per- John Commission of tood products for 21 farm households, 136 per- John Commission of tood products for 19 farm households, 164 per- John Commission of food products for 19 farm households, 164 per- John Commission of food products for 19 farm households, 176 per- John Commission of food products for 19 farm households, 176 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm households, 178 per- John Commission of food products for 20 farm	96	Table 17-83	1, 1931. October 31, 1932) Consumption of food products for 20 farm households, 120 persons, 95.7 statle-male units, at Vingeleneg, Hupch (February 16, 1932) Consumption of food products for 20 farm households, 96 persons, 124 adult-male units, at Vameng, Hupch (October 1, 1031-September 30, 1932) Consumption of food products for 21 farm households, 125 persons, 99.0 adult-male units, at Pengreta, Kingsu (Juncal, 1933) Consumption of food products for 20 farm households, 84 persons, 63.4 adult-male units, at Changchia, Kingsu (Junnary 1-December 31, 1923) Consumption of food products for 20 farm households, 121 persons, 18.6 adult-male units, at Theorember 1, 1922. Acquest 31, 1933) Consumption of food products for 20 farm households, 131 persons, 18.6 adult-male units, at Hwayin Kingsu (September 1, 1932. Acquest 31, 1933) Consumption of food products for 22 farm bouseholds, 131 persons, 18.6 adult-male units, at Hwayin Kingsu (November 1, 1932. October 31, 1933)	
Table 17-46	Consumption of food products for 19 farm households, 164 persons, 128.1 adult-male units, at Changli (A), Hopeh (January 1.Derember 31, 1929)	96	Table 17-84	Consumption of food products for 20 farm households, 112 persons, 85.5 adult-male units, at Fowning, Kiangsu (September 1, 1032).	105
Table 17-47	Consumption of food products for 20 farm households, 178 persons, 140.3 adult-male units, at Changli (B), Hopeh (January 1-December 31 1930)	96	Table 17-85	Consumption of food products for 22 farm households, 151 persons, 118.6 adult-male units, at Hwaiyin, Kiangsu (November 1, 1932, October 31, 1933)	
Table 17-48	1-December 31, 1929) Consumption of food products for 20 farm households, 178 persons, 140.3 adult-male units, at Changli (B), Hopeh (January 1-December 31, 1930) Consumption of food products for 20 farm households, 163 persons, 122.5 adult-male units, at Chenging Hopeh (January 1-December 31, 1931) Consumption of food products for 20 farm households, 120 persons, 94.5 adult-male units, at Kinshob, Hopeh (January 1-December 31, 1930) Consumption of food products for 20 farm households, 120 persons, 96.7 adult-male units, at Kinshob, Hopeh (January 1-December 31, 1930) Consumption of food products for 20 farm households, 131 persons, 1934 adulternale units, at Swahu, Hopeh (January 1-December 31, 1930) Consumption of food products for 20 farm households, 152 persons, 1934 adulternale units, at Swahu, Hopeh (January 1-December 31, 1930)	96	Table 17-86	sons, 520 adult-male units, at Klangtu, Klangsu (January 1-	
Table 17-49	Consumption of food products for 20 farm households, 120 per- sons, 94.5 adult-male units, at Kiaoho, Hopeh (January 1- December 31, 1929)	97	Table 17-87	Consumption of food products for 20 farm households, 90 persons, 76.9 adult-male units, at Tai Hsien, Kiangsu (September 1, 1932, August 31, 1933)	
Table 17-50	Consumption of food products for 22 farm households, 127 persons, 96.7 adult-male units, at Nankung, Hopeh (January 1-December 31, 1930)	97	Table 17-88	Consumption of food products for 21 farm households, 126 per- sons, 97.5 adult-male units, at Wutsin (1), Kiangsu (January 1-December 31, 1929)	
Table 17-51	Consumption of food products for 20 farm households, 131 persons, 103.4 adult-male units, at Sushui, Hopeh (January 1-December 31, 1930)	97	Table 17-89	Consumption of food products for 20 farm households, 129 per- sons, 97.6 adult-male units, at Wutsin (2), Kiangsu (January 1-December 31, 1932)	
Table 17-52	Consumption of food products for 20 farm households, 152 persons, 120.7 adult-male units, at Tsang Hsien, Hopeh (January 1-December 31, 1929)	97	Table 17-90	Consumption of food products for 20 farm households, 106 persons, 86.0 adult-male units, at Siuning, Anhwei (January 1-December 31, 1932)	
Table 17-53	Consumption of food products for 19 farm households, 120 persons, 96.9 adult-male units, at Tsing Hsien, Hopeh (January 1-December 31, 1929)	98	Table 17-91	Consumption of food products for 20 farm households, 100 persons, 79.0 adult-male units, at Fenghwa, Chekiang (January 1-December 31, 1931)	
Table 17-54	Gonsumption of food products for 20 farm households, 152 persons, 120.7 adult-male units, at Tsang Hsien, Hopeh (January 1-December 31, 1929) Consumption of food products for 19 farm households, 120 persons, 120.7 adult-male units, at Tsang Hsien, Hopeh (January 1-December 31, 1929) Consumption of food products for 19 farm households, 143 persons, 120.2 adult-male units, at Tsang Hsien, Hopeh (January 1-December 12, 1930) Consumption of food products for 22 farm households, 156 persons, 120.2 adult-male units, at Tung Hsien, Hopeh (January 1-December 10, 1930) Consumption of food products for 22 farm households, 156 persons, 86.5 adult-male units, at Ankiu, Shantung (January 1-December 31, 1920) Consumption of food products for 20 farm households, 140 persons, 86.5 adult-male units, at Ankiu, Shantung (Jonnary 1-December 31, 1920) Consumption of food products for 20 farm households, 110 persons, 87.4 adult-male units, at Eah Hsien, Shantung (October 1, 1930-September 30, 1931) Consumption of food products for 20 farm households, 117 persons, 91.6 adulter male units, at Eahan, Shantung (Normber 20, 1931) Consumption of food products for 20 farm households, 117 persons, 91.6 adulter male units, at Fabian, Shantung (Normber 20, 1931) Consumption of food products for 20 farm households, 117 persons, 91.6 adulter male units, at Fabian, Shantung (Normber 20, 1931)	98	Table 17-92	Consumption of food products for 20 farm households, 98 persons, 75.9 adult-male units, at Linhai, Chekiang (November 23, 1931-November 22, 1932)	108
Table 17-55	Consumption of food products for 22 farm households, 156 persons, 123.8 adult-male units, at Kwanyun, Kiangsu (October 1, 1932-September 30, 1933)	98			108
Table 17-56	Consumption of food products for 21 farm households, 104 persons, 86.5 adult-male units, at Ankiu, Shantung (January 1-December 31, 1929)	98	Table 17-94	Consumption of food products for 21 farm households, 124 persons, 94.4 adult-male units, at Shunan, Chekiang (October 1, 1929-September 30, 1930)	108
Table 17-57	Consumption of food products for 20 farm households, 118 persons, 87.4 adult-male units, at En Hsien, Shantung (October 1, 1930-September 30, 1931)	99	Table 17-95	Consumption of food products for 20 farm households, 180 persons, 142-4 adult-male units, at Tangki, Chekiang (June 9, 1931-June 8, 1932)	108
Table 17-58	Consumption of tood products for 20 farm households, 117 persons, 91.6 adult-male units, at Fushan, Shantung (November 1, 1930-October 31, 1931)	.99	Table 17-96	Consumption of food products for 20 tarm households, 1.38 persons, 106.2 adult-male units, at Tunglu (1), Chekiang (August 16, 1931-August 15, 1932)	109
Table 17-59	Consumption of food products for 18 farm households, 144 persons, 116.2 adult-male units, at Hweimin, Shanting (January 1-December 31, 1931)	99	Table 17-97	Consumption of rood products for 20 farm notices cooks, 59 persons, 69.3 adult-male units, at Tunglu (2), Chekiang (August 16, 1931-August 15, 1932)	109
Table 17-60	Consumption of food products for 20 farm households, 111 persons, 86.3 adult-male units, at Laiyang, Shantung (December 1, 1930-November 30, 1931)	99	Table 17-98	Consumption of food products for 20 farm inductions, 119 persons, 91.0 adult-male units, at Yungkia, Chekiang (September 10, 1931-September 9, 1932)	109
Table 17-61	Consumption of rood products for 20 farm households, 149 persons, 108.7 adult-male units, at Showkwang, Shantung (May 5, 1930-May 4, 1931)	100	Table 17-99	sons, 95.1 adult-male units, at Nanping, Fukien (August 16, 1931-August 15, 1932)	
Table 17.63	sons, 104.2 adult-male units, at Taian, Shantung (February 1, 1930-January 31, 1931).	100	Table 17-101	sons, 85.3 adult-male units, at Changteh, Hunan (October 1, 1932-September 30, 1933) Consumption of food products for 19 Jarm households, 82 persons.	
Table 17-64	sons, 91.3 adult-male units, at Tangyi, Shantung (November I, 1930-October 31, 1931).	100	Table 17-102	60.2 adult-male units, at Sinhwa, Hunan (March 1, 1932-February 28, 1933) Consumption of food products for 20 farm households, 127 per-	
Table 17-65	sons, 122.6 adult-male units, at Tsimo, Shantung (February 17, 1931-February 16, 1932) Consumption of food products for 20 farm households, 143 per-		Table 17-103	sons, 91.6 adult-male units, at Wukang, Hunan (March 1, 1932- February 28, 1933)	
	sons, 103.5 adult-male units, at Tsining, Shantung (November 1, 1929-October 31, 1930)		Table 17-104	sons, 113.6 adult-male units, at Yiyang, Hunan (November 1, 1932-October 31, 1933) Consumption of food products for 21 farm households, 123 per-	
Table 17-67	sons, 115.7 adult-male units, at Wei Hsien, Shantung (January 1-December 31, 1930)	101	Table 17-105	sons, 34.5 adult-male units, at Fowliang, Kiangsi (January 1- December 31, 1932) Consumption of food products for 20 farm households, 107 per-	
Table 17-68	sons, 199.8 adult-male units, at Yi Hsien, Shantung (January 1-December 31, 1929) Consumption of food products for 21 farm households, 167 per-	101	Table 17-106	sons, 85.3 adult-male units, at Kaoan, Kiangsi (January 1- December 31, 1932) Consumption of tood products for 17 farm households, 124 per-	
Table 17-69	sons, 87.4 adole-male units, at En Hsien, Shantung (Occober 1, 1930-September 30, 1931). Gonsumption of food products for 20 farm households, 117 persons, 91.6 adolernale units, at Fushan, Shantung (November 2008, 91.6 adolernale units, at Hwaima, Shantung (November 30, 1931). Gonsumption of food products for 18 farm households, 144 persons, 162.6 adulernale units, at Hwaima, Shantung (Dacomber 1, 1930). Gonsumption of food products for 20 farm households, 111 persons, 108.7 adulernale units, at Showkwang, Shantung (Dacomber 1, 1930). Gonsumption of food products for 20 farm households, 145 persons, 108.7 adulernale units, at Showkwang, Shantung (May 5, 1936-May 4, 1931). Gonsumption of food products for 20 farm households, 145 persons, 104.2 adulernale units, at Showkwang, Shantung (May 5, 1936-May 4, 1931). Gonsumption of food products for 21 farm households, 120 persons, 104.2 adulernale units, at Tangy, Shantung (November 1, 1930, January 31, 1931). Gonsumption of food products for 20 farm households, 140 persons, 191.3 adultiernale units, at Tangy, Shantung (Rovember 1, 1932). Gonsumption of food products for 20 farm households, 143 persons, 191.3 adultiernale units, at Tangy, Shantung (Rovember 1), 1909. Gonsumption of food products for 20 farm households, 143 persons, 191.3 adultiernale units, at Tangy, Shantung (Rovember 1), 1909. Gonsumption of food products for 20 farm households, 151 persons, 191.3 adultiernale units, at Weel Hsien, Shantung (January 1-December 31, 1930). Gonsumption of food products for 20 farm households, 151 persons, 191.3 adultiernale units, at Weel Hsien, Shantung (January 1-December 31, 1930). Gonsumption of food products for 20 farm households, 170 persons, 191.3 adultiernale units, at Heide, Shantung (January 1-December 31, 1930). Gonsumption of food products for 20 farm households, 170 persons, 191.3 adultiernale units, at Heide, Shantung (January 1-December 31, 1932). Gonsumption of food products for 20 farm households, 170 persons, 191.3 adultiernale units, a		Table 17-107	Sons, 92.4 adult-male units at Nanchang, Kiangsi (January 1- December 31, 1932) Consumption of food products for 20 farm households, 106 per-	
Table 17-70	Sons, 133.1 adult-male units, at Ho Hsten, Anhwei (January 1- December 31, 1932) Gonsumption of food products for 20 farm households, 144 per-	102	Table_17-108	Consumption of food products for 20 farm households, 104 per-	
Table 17-71	Consumber 31, 1931) Consumber of food products for 20 farm households, 120 per-		Table 17-109	December 31, 1932) Consumption of food products for 20 farm households, 117 persons 87.2 adult male units, at Mica Hairn, Shani, Christian	
Table 17-72	December 31, 1932) Consumption of food products for 20 farm bouseholds, 143 persons, 1995, adultsmale units, at Tailay, Anhayai Classical Consumption of the Consump		Table 17-110	1, 1930-September 30, 1931) Consumption of food products for 20 farm households, 147 persons, 198,8 adult male units, at Chuncking, Szechwan (Januar)	
Table 17-7			Table 17-111	1931-December 22, 1932) (Consumption of food products for 21 farm households, 124 persons, 94-8 adulemak units, at Shunan, Cheksing (October 1, Consumption of food products for 20 farm households, 180 persons, 142-4 adulemak units, at Shunan, Cheksing (October 1, 1931-1 fuer 8, 1932). Consumption of food products for 20 farm households, 180 persons, 142-4 adulemak units, at Tanglat, Cheksing (Lune 9, 1931-1 fuer 8, 1932). Consumption of food products for 20 farm households, 183 persons, 1932-1 fuer	
Table 17-7	May 19, 1933) Constemption of food products for 10 farm households, 48 persons, 348 adult-male units, at Kashing, Cheklang (January 1 December 31, 1929)		Table 17-112	December 31, 1930) Consumption of food products for 24 farm households, 155 persons, 121,5 adult-male units, at Mienyang, Szechwan (January	
	December 31, 1929)	103		1-December 31, 1930)	

	Page		P
Table 17-113 Consumption of food products for 20 farm households, 85 per sons, 66.5 adult-male units, at Suining, Szechwan (January 1 December 31, 1929)		Table 7-3 Taxes paid by farmers on farm land, kind and amount per hectare of taxes on high grade land (in silver dollars)	of .
Jable 17-413 Consumption of tood products for 20 farm households, 85 persons, 6.5 adult-male units, at Suining, Succhasin (January 1 December 31, 1929) Table 17-414 Consumption of tood products for 20 farm households, 131 persons, 75.2 adult-male units, at T. Histor, Succhasin (January 1 December 31, 1931) Table 17-415 Consumption of food products for 20 farm households, 102 persons, 75.2 adult-male units, at Hweian, Fokien (January 1 December 31, 1930) Table 17-416 Consumption of food products for 20 farm households, 113 persons, 75.2 adult-male units, at Putien, Fokien (January 1 Consumption of food products for 20 farm households, 131 persons, 75.2 adult-male units, at Putien, Fokien (January 1 Consumption of food products for 19 farm households, 131 persons, 130 adult-male units, at Putien, Fokien (January 1 December 31, 1932) Table 17-416 Consumption of food products for 20 farm households, 83 persons 63.6 adult-male units, at Yungning, Kwangti (January 1 December 31, 1932) Table 17-419 Consumption of food products for 20 farm households, 147 persons, 1114 adult-male units, at Charan, Kwangtung (February 1, 1930-February 16, 1931) Table 17-420 Consumption of food products for 20 farm households, 147 persons, 131 adult-male units, at Charan, Kwangtung (Genuary 1-December 31, 1932) Table 17-421 Consumption of food products for 20 farm households, 143 persons, 95.0 adult-male units, at Kilyans, Kwangtung (January 1-December 31, 1932) Table 17-422 Consumption of food products for 20 farm households, 149 persons, 95.3 adult-male units, at Kilyans, Kwangtung (January 1-December 31, 1932) Table 17-425 Consumption of food products for 20 farm households, 149 persons, 95.3 adult-male units, at Kilyans, Kwangtung (January 1-December 31, 1932) Table 17-425 Consumption of food products for 20 farm households, 149 persons, 95.3 adult-male units, at Kilyans, Kwangtung (January 1-December 31, 1932) Table 17-425 Consumption of food products for 20 farm households, 169 persons, 95.3 adult-male units, at Kilyans,	113	Table 8 Taxe paid by farmers to the hiera government per hectare of the nor usual kind of farm land (in silver dollars). Table 9 Index numbers of taxes paid by farmers to the hiera government per hectare of the most usual kind of farm land, 1907-1933. Table 10-1 Index numbers of the value of farm land, 1907-1933. Table 10-2 Index numbers of the value of farm land, 1901-1930. Table 11 Index numbers of seasonal variation in the pince received by farmer for miller. Table 12 Index numbers of seasonal variation in the pince received by farmer for miller.	st
sons, 94.2 adult-male units, at Ta Hsien, Szechwan (Japuars		usual kind of farm land (in silver dollars)	- 1
1-December 31, 1931)	114	hectare of the most usual kind of farm land, 1907-1933	
sons, 75.2 adult-male units, at Hweian, Fukien (January 1-		Table 10-1 Index numbers of the value of farm land, 1901-1933 Table 10-2 Index numbers of the value of farm land in Tinovuan. Anhwei	
Table 17-116 Consumption of food products for 20 farm households 113 per	. 114	China, 1895-1900	. 1
sons, 87.8 adult-male units, at Putien, Fukien (July 16, 1931-		for millet	. 1
Table 17-117 Consumption of food products for 19 farm households, 131 per-	114	Table 12 Index numbers of seasonal variation in the price received by farmer	-
sons, 103.9 adult-male units, at Jung Hsien, Kwangsi (January	114	Table 13 Index numbers of seasonal variation in the price received by farmers	
Table 17-118 Consumption of food products for 20 farm households, 83 persons,	114	for wheat Table 14 Index numbers of seasonal variation in the prices received by farmen	1/2
December 31, 1932) Wangsi (January 1-	115	for various commodities	1
Table 17-119 Consumption of food products for 20 farm households, 147 per-		CHAPTER VI—CROPS	
17, 1930-February 16, 1931)	115	Table 1 Percentage of the total crop hectare area devoted to various groups	-
Table 17-120 Consumption of food products for 20 farm households, 115 per-		Table 2 Percentage of crop hectare area devoted to various crops Table 3 Important crops ranked by proportion of crop hectare area occupied	1
uary 1-December 31, 1932)	115	Table 4 Percentage of the crop area occupied by various crops by areas	
sons, 103.7 adult-male units, at Kityang, Kwangtung (Feb-		Fercentage of the total crop hectare area devoted to various groups Fable 2. Percentage of crop hectare area devoted to various crops: Table 3. Important crops ranked by proportion of crop hectare area occupied. Table 4. Percentage of the crop area occupied by various crops by areas. Table 5. Percentage of far one pare devoted to various crops. Table 6. Percentage of crop area devoted to various crops. Table 6. Percentage of crop area devoted to various crops. Table 7. Table 7. Table 8. Percentage of crop area devoted to various crops. Table 8. Percentage of crop area devoted to various crops. Table 8. Percentage of crop area devoted to various crops.	
ruary 17, 1930-February 16, 1931)	115	Percentage of crop area devoted to various crops—List of other crops Table 7 Percentage of crop area devoted to crops by seasons	20
76.0 adult-male units, at Koyiu, Kwangtung (January 1-		Table 8 A comparison of average normal, best, and most frequent yields, with	20
Table 17-123 Consumption of food products for 20 farm households, 104 per-	116	Table 7 Percentage of cop area devoted to various crops—Last of other crops Table 8 Table 8 Table 8 Table 8 Table 8 Table 9 Most frequent yields in each locality talen as 100 Table 9 Most frequent yields in each locality talen as 100 Table 10 Tab	20
sons, 85.5 adult-male units, at Kukong, Kwangtung (January 1-December 31, 1932)		(for crops found on 20 per cent or more of the farms) Table 10 Crop indexes in different localities and regions based on average of	20
Table 17-124 Consumption of food products for 20 farm households, 145 per-		most frequent yields of important crops in all localities	
uary 1-December 31, 1932)		Table 11 Most frequent yield in quintals per hectare of the by-products of im-	21
Table 17-125 Consumption of food products for 20 farm households, 85 persons, 64.8 adult-male units, at Namyung Kwangtung (January 1-		Table 12 Percentage of each season's crop which is irrigated and percentage of	
December 31, 1932)	116	Table 13 Percentage of each crop irrigated	
sons, 100.9 adult-male units, at Anshun, Kweichow (January		Table 14 Most frequent yield per hectare (in quintals) for important crops	
1-December 31, 1932)	117	Table 15 Crops ranked by proportion of the total crop sold Table 16 Percentage of various crops used for different purposes	
sons, 116.7 adult-male units, at Pan Hsien, Kweichow (January		Table 17 Percentage of various by-products of crops used for different purposes	22
Table 17-128 Consumption of food products for 20 farm households, 122 per-	117	Table 18 Cropping systems	25
sons, 95.5 adult-male units, at Tingfan, Kweichow (January	118	CHAPTER VII—SIZE OF FARM BUSINESS	
Table 17-129 Consumption of food products for 22 farm households, 148 per-		Table 1 Size of farm as measured by the means and medians of farm area, crop	20
1-December 31, 1932)	118	area and crop hectare area Table 2 Most usual size and range in size of farm Table 3 Changes in size of farm	28
Table 17-130 Consumption of food products for 19 farm households, 108 per-		Table 3 Changes in size of farm Table 4 Number and percentage of farms in each size class	28
1-December 31, 1932)	118	Table 5 Average size of farm for farms in each size class Table 5 Average size of farm for farms in each size group Table 5a Median size of farm for farms in each size group	291
sons, 88.8 adult-male units, at Iliang, Yunnan (January 1-		Table 6 Size classes of farms grouped by size of farm area (in hectares)	293
December 31, 1932)	119	Table 8 Relation of size of farm to crop yields Table 8 Relation of size of farm to index of double cropping	295
sons, 107.2 adult-male units, at Mengtsz, Yunnan (January 1-		Table 9 Relation of size of farm to man-equivalent per farm Table 10 Relation of size of farm to crop hectare per man-equivalent	297
Table 17-133 Consumption of food products for 18 farm households, 121 per-	119	Table 11 Relation of size of farm to labor animal units per crop hectare Table 12 Relation of size of farm to size of household	299
sons, 88.0 adult-male units, at Pinchwan, Yunnan (January	119	Table 12 Relation of size of farm to size of household Table 13 Production per man-equivalent in kilograms of grain-equivalent Table 14 Production per man-equivalent in kilograms of grain-equivalent on	300
Table 17-126 Consumption of food products for 20 farm households, 85 persons, 100-2 adultmental of 20 farm households, 150 persons, 100-2 adultmental only 100-2 farm households, 150 persons, 100-3 adultmental cents, at Pan Histor, Kweichow (January 1-December 31, 1032) Table 17-126 Consumption of food products for 20 farm households, 150 persons, 150-3 adultmental cents, at Pan Histor, Kweichow (January 1-December 31, 1032) Table 17-126 Consumption of food products for 20 farm households, 122 persons, 95-5 adult-male units, at Tingfan, Kweichow (January 1-December 31, 1032) Table 17-129 Consumption of food products for 20 farm households, 148 persons, 105-2 adultmental cents, at Tingfan, Kweichow (January 1-December 31, 1032) Table 17-130 Consumption of food products for 19 farm households, 118 persons, 80.8 adult-male units, at Thoshan, Kweichow (January 1-December 31, 1032) Table 17-130 Consumption of food products for 20 farm households, 117 persons, 88.8 adult-male units, at Illiang, Yuman (January 1-December 31, 1032) Table 17-135 Consumption of food products for 20 farm households, 117 persons, 80.8 adult-male units, at Mengraz, Yunnan (January 1-December 31, 1032) Table 17-135 Consumption of food products for 20 farm households, 117 persons, 80.8 adult-male units, at Turny, Kweichoulds, 118 persons, 107.2 adult-male units, at Turny, Sunnan (January 1-December 31, 1032) Table 17-135 Consumption of food products for 18 farm households, 121 persons, 80.8 adult-male units, at Turny, Sunnan (January 1-December 31, 1032) Table 17-136 Consumption of food products for 20 farm households, 115 persons, 91.8 adult-male units, at Puckwan, Yunnan (January 1-December 31, 1032) Table 17-136 Consumption of food products for 21 farm households, 115 persons, 91.9 adult-male units, at Puckwan, Yunnan (January 1-December 31, 1032) Table 17-136 Consumption of food products for 20 farm households, 115 persons, 91.9 adult-male units, at Yunking, Yunnan (January 1-December 31, 1032) Table 17-136 Consumption of food	117	Table 5 Median size of farm for farms in each size group Table 6 Size classes of farm grouped by size of farm area (in hectares) Table 6 Size classes of farm to copy yield Table 8 Relation of size of farm to copy yield Table 9 Relation of size of farm to man-equivalent per farm Table 10 Relation of size of farm to man-equivalent per farm Table 11 Relation of size of farm to man-equivalent per farm Table 12 Relation of size of farm to slobe raintal units per crop hectare Table 12 Relation of size of farm to slobe raintal units per crop hectare Table 13 Production per man-equivalent in kilograms of grain-equivalent Table 14 Production per man-equivalent in kilograms of grain-equivalent on different sizes of farm	3/00
December 31, 1932)	120		
Table 17-135 Consumption of food products for 21 farm households, 115 per-		CHAPTER VIII—FARM LABOR Table 1 Proportion of persons employed in farm and in subsidiary work. Table 2 Percentage and amount of farm work (in months) performed by family and hired labor Table 3 Employment of able-bodied men (over 15 and under 60 years of age) Table 4 Number of idle months per able-bodied man by size of farm. Table 5 Percentage datribution of idle time by months. Table 6 Amount of subsidiary work and income from other than farm work. Table 8 Agricultural labor shorrage Table 9 Number of days of man labor required per crop hexare for growing various crops. Table 10 Percentage of man labor that is used for different kinds of operations for Various crops (for crops occupying one per cent or more of the toral area).	303
1-December 31, 1932)	120	Table 2 Percentage and amount of farm work (in months) performed by family	
sons, 88.7 adult-male units, at Yuki, Yunnan (January 1-		Table 3 Employment of able-bodied men (over 15 and under 60 years of age)	306
December 31, 1932)	120	Table 4 Number of idle months per able-bodied man by size of farm Table 5 Percentage distribution of idle time by months	307
CHAPTER IV—LIVESTOCK AND FERTILITY MAINTENANCE		Table 6 Amount of subsidiary work and income from other than farm work Table 7 Percentage of net income from other than farm sources by size of farm	309
Table 1 Number of each kind of livestock per farm	122 124	Table 8 Agricultural labor shortage Table 9 Number of days of man-labor required per crop becture for required	312
Table 3 Most usual number of livestock per farm		various crops	
Table 4 Percentage distribution of animal units by kind of animal Table 5 Proportion of animal units by use of animals and per cent of farms	129	Table 10 Percentage of man labor that is used for different kinds of operations	
Table 6 Percentage of farms without any animals, by size of farm	131	the total area)	320
Table 7 Percentage of farms without labor animals, by size of farm	132 133	Table 11 Labor on farms in the United States (man-equivalent)	
Table 4 Percentage distribution of animal units by kind of animal Table 5 Proportion of animal units by use of animals and per cent of farms without azimals without azimals without azimals and per cent of farms Table 7 Percentage of farm without pairs animals, by size of farm Table 18 Percentage of farm without plots animals, by size of farm Table 19 Percentage of farm without plots animals, by size of farm Table 10 Density of animal units per man-equivalent by size of farm Table 10 Density of animal propulation Table 12 Percentage of farmers growing each copy who applied fertilizer to Table 13 Percentage of farmers growing each copy who applied fertilizer to Table 13 Percentage of farmers growing each copy who applied fertilizer to Table 13 Canages in the use of termilizers.	134 135	Table 13 Number of days of animal-labor required precept for good per cent or more of Notes and States (man-equivalent). Table 12 Farm wages (in silver vian) Table 13 Number of days of animal-labor required per crop hetrare for growing recept for good per viantal states. Table 14 Per cent of animal-labor on various crops that is used in different kinds of work.	328
Table 10 Density of animal population	136	ing various crops	330
Table 12 Percentage of farmers growing each crop who applied fertilizer to	120	of work	336
Table 13 Changes in the use of fertilizers Table 14 Changes in kinds of fertilizers used Table 14 Changes in kinds of fertilizers used Table 14 Changes in kinds of fertilizers used	138 142	CHAPTED IV MARKETING	
Table 14 Changes in kinds of fertilizers used	143	Table 1 Percentage of farm products sold at different places and to different	
Table 14c Changes in kinds of fertilizers used	146	number of work days required for marketing	343
CHAPTER V-PRICES AND TAXATION		Table 2 Distance (miles) for transporting agricultural products from the farm to local market by various transportation methods	244
Table 1 Commodities and weights used in constructing indexes of prices		Table 1 Percentage of farm products sold at different places and to different purchasers, percentage sold immediately after harvest, and the number of work days required for marketing. Table 2 Distance (miles) for transporting agricultural products from the farm to local market by various transportation methods. Table 3 Distance (miles) from hairn city to market for agricultural products sold outside the hairn.	
Table 1 Commodities and weights used in constructing indexes of prices received by farmers for commodities sold Table 2-1 Index numbers of prices received by farmers for commodities sold, 1906-1933	148	Table 9 Distance (miles) from histen city to market for agricultural products sold cuttled the histen activated th	343
	149	market in silver dollars per ton-mile Table 5 Average cost of transportation of agricultural products to market out-	346
Table 3 Commodities used in constructing index numbers of retail prices paid by farmers for commodities used in living and production. Table 4.1 Index numbers of retail prices paid by farmers for commodities used in living and production, 1906-1933. Table 4.2 Index numbers of retail prices paid by farmers for commodities used in living and production, 1906-1933. Table 4.2 Index numbers of retail prices paid by farmers for commodities used in living and production, Tsinghail Provinces, Sining Halen, 1884-1905.	149	side the hsien in silver dollars per ton-mile Table 6 Percentage distribution of the costs of marketing farm products	347
by farmers for commodities used in living and production	150	Table 7 Imports of agricultural products	340
Table 4-1 Index numbers of retail prices paid by farmers for commodities used in living and production, 1906-1933		rapie o Exports of agricultural products	
Table 4-2 Index numbers of retail prices paid by farmers for commodities used		CHAPTER X—THE STANDARD OF LIVING Table 1 Number and kind of work garments of head of the family	
1888-1905	151	Table 2 Number and kind of work garments of head of the family Table 2 Number and kind of dress garments of head of the family	
Table 5 1988-1993. Table 5 1988-1993. Table 6 1989-1993. Table 7 1989-1993. Table 7 1989-1993. Table 7 1989-1993. Table 7 2 Taxes paid by farmers on farm hand, kind and amount per hectare of season frow greate lead for sittee dollars). Table 7-2 Taxes paid by farmers on farm hand, kind and amount per hectare of season frow greate lead (in sittee dollars).		CHAPTER X.—HIB STANDARD OF LIVING Table 1. Number and kind of work garments of head of the family Table 2. Number and kind of work garments of head of the family Table 3.A Size of residence and farm buildings per family on small farms Table 3.B Size of residence and farm buildings per family on medium farms Table 3.C Size of residence and farm buildings per family on medium farms Table 4. Common features of construction and special hunting conditions Table 5. Number of rooms, doors and windows per capita Table 6. Number of rooms, doors and windows per capita	
Table 7-1 Taxes paid by farmers on farm land, kind and amount per hectare of		Table 3-C Size of residence and farm buildings per family on large farms Table 4 Common features of construction and considerable and farms	161
Table 7-2 Taxes paid by farmers on farm land, kind and amount per hectare of		Table 5 Number of rooms, doors and windows per capita Table 6 Number of rooms, doors and windows per capita	
taxes on medium grade land (in silver dollars)		rathe o reumber of rooms, doors and windows per gien	

Table 7-A Uses of rooms in buildings used for combined residence and fa purposes or small farms. Table 7-B Uses of rooms in buildings used for combined residence and fa purposes on medium farms. Table 7-C Uses of rooms in buildings used for combined residence and fa Table 8-A Uses of rooms in buildings used for combined residence and fa Table 8-A Uses of rooms in retudences on small farms.	371 373 375	Table 15 Percentage of farms obtaining credit and percentage of credit for productive and unproductive purposes Table 16 Savings Table 17 Special expenditures for farms having the expenditure Table 18 Agricultural conditions	408 408
Table 8-C Uses of nooms in residences on menum tarms Table 9-A Use of nooms in residences on large farms Table 9-A Use of nooms in rembuldings on small farms Table 9-B Use of rooms in farm buildings on medium farms Table 9-C Use of rooms in farm buildings on large farms Table 10-A Amount and kind of familiary participations on the stable farms Table 10-A Amount and kind of familiary per family on medium farms Table 10-B Amount and kind of familiary per family on large farms Table 10-C Amount and kind of familiary per family on large farms Table 10-A Amount and kind of familiary per family on large farms	378 380 382 384 386 388 390 392	Table 1 Total households and farm households in the eight agricultural areas, in thousands Table 2 Size of family, size of household and distribution of population Table 3 Density of population	. 416 . 420 . 423
Table 11-6 Amount and kind of farm equipment per farm on medium farms Table 11-6 Amount and kind of farm equipment per farm on large farms Table 12 Changes in standard of living in recent years Table 13 Amount and character of farm credit and interest rates	396 398 400 403 404	Schedules used for the investigation Table 1 Sources of data by villages Table 2 Local weights and measures equivalents in the metric system	429 464 473 475

CHAPTER I.—CLIMATE

The data concerning Chinese climate are notoriously inadequate and formitous in distribution. The number of meteorological stations in each province is shown in table 7. The list of stations (table 8) is chiefly composed from the following nine sources of data which are in print and accessible to

NINE SOURCES OF WEATHER DATA

- (I) "La Temperature on Chim" (pub. 1918, data to end of 1916), Observatory of Sicrawa, Shanghar, contains a great variety of data for each day of the year and monthly and annual means for each of 100 stations. Data for some stations go back to the seventies and eighties; for others they cover too few years for reliable conclusions. Some of the calculations need re-checking. This big work and source 7 are the only readily accessible sources for temperature work.
- sources for temperature work.

 "Ethide wire bytic or Chine" (pub. 1928, data to 1924 or 1925, or, occationally, 1926, according to station), Osternatory of Sittenets, Shanghai. "Allas: distintion is a bytic or Chine "pub. 1928; many maps and charts illustrating above." Period of years covered, and therefore reliability of the means, varies greatly for the 178 effective stations involved. It gives the number of days of rain and total rainfall for each month, with heaviest day's fall in each year, and with monthly, seasonal, and annual means, some variability coefficients and much other material and maps.

 **L.N.M. Chine Vigor Commission has in presented.
- to borrow this blue-printed data.

 Report of Commission on the Husia River and Grand Canal area 整理 馬雅蘭 美報告 (民國十八年八月建設委員會框製商務印書館中級)

 Published by National Reconstruction Bureaus 1929 and printed and sold by the Commercial Press. In Chinese only. Unfortunately only the monthly and annual means for rainfall are given, but the years covered are indicated. For some of the stations probably the data were not complete for those years; as for instance, study of the same original data producing some of the means printed in source 8 suggestes: The information is found in table 19 of the Report; and map 9 shows the location of the 40 stations overed.

As sources 3 and 4 are later compilations, they are valuable for certain stations as supplementing data covering an insufficient period in source 2. The concluding date of the data used in source 4 varies from 1924 to 1927 for most of the stations though for some it is not even as late as 1924. For more than half of the data in source 3 the concluding date is 1929 and a good deal of the remainder runs to as late as 1926-28.

a good deal of the remainder runs to as late as 1926-28." Yangire River Commission Reports (1924-1932), Nanking. These cover 21 rainfall stations (most of them important as being far inland in the west), though there are not seven years data for some of the stations. The fourth report gives 1924 and 1925 monthly data, the fifth report gives 1924 data in diagrams only (tables 125 sqq), and the sixth and seventh reports (combined) cover 1927 (p. 22 of 60th) and 1928 with means 1924-1928; (p. 27 of 7th). The eighth report gives 1929 and means 1924-1929 and the ninth report, gives 1924-1922. As alternatives to those bulky reports, which contain much other quite different material, blue-print sheets covering most or all of this rainfall data are sometimes available. A limited amount of this material is most generously supplied free to investigators from the Commission's Office.

1952.

"Observations Miliorologiques faites à les stations des chemins de fer Chinois de l'Est (Mandebourie du Nord) et d'Oussouri." Obtainable from the Mitorological sostem of the Chinose Eastern Railway at Harbim. Report covering 1990-13, pub. 1914. Of the issues of 1915-17 each covers the previous sea (and a little further accumulated material) 1919, 1921 and 1912. The 1917, 1918 and 1919. Two issues in 1923 cover 1923 and 1921. The above are in Russian and French; the following in Russian and Esperanto. Two issues in 1922 cover 1922-26, and 1927-28 respectively.

Twenty stations are involved, the data for 14 stations beginning in 1909 (though five of these, in Siberia, appear only till 1920) and for the remainder in 1914 or 1916. A wide tange of information about pressure, winds, humidity, temperature, troots, and precipitation is fully and carefully given.

第一章 氣候

現有之質候記錄之來說

關於中國氣候之記錄。因區域關分無常。故不甚適用。是為吾人所共知。各省氣象 所數目業已於第七表中載明。所列各所。大多由下列九種來源之記錄中搜集而得。茲一 一舉出。以育參証。

氣候記錄之九種來遊

上海徐家匯天文台。

其中包括一百所旬年毎月毎日不同之氣溫記錄。有數所之記錄。皆始於 1870 或 1890 年間。其他則包括之年代太少。結論或不可靠。一部份之計算。須要複算。 此項偉大工作及材料第七為吾人研究中國氣溫方面唯一可靠之材料。

- 1926, according to station) 上海徐家匯天文台 "Atlas: distribution de la pluie en Chinc" Pub. 1928 其中曾有不少圖表詮譯。包括之年代亦復不短。是故所有一七 八所之平均數。變化極大。每月雨量及降雨日數 每年雨量最多之日期。每年每季每 月之平均雨量。相關係數之計算。以及其他材料及圖表。均極豐富。
- ^並北水利委員會現有極完全之材料。係將七十所按月之記錄。編纂而得。此會原名 直隸水利委員會。己有多年之歷史。故一部份工作。係早年完成者。然今已改隸全 國經濟委員會矣。是以全國經濟委員會之調查員。得向其借用此項記錄材料。
- 導淮委員會報告。

其中只有包括之年限。及每年每月之平均雨量。並無毎日之記錄、有數所之記錄。 並非按年完全皆有。例如用此項報告之記錄。即可算出材料第八中之平均數字。此 材料可於該報告中第十九表查出。同時第九圖表示報告中四十個氣象所之分佈地

材料(3)及(4)均為較近之材料。故其記錄。很可用以補充材料第2記錄年份不足 之數所。材料第(4)各所配錄之計算年度。自 1924至 1927不等。惟一部份均在 1924 年以後。村料第(3)過半數記錄之計算年度。均為1929,其餘多在1926-1928之間。

- 揚子江水利委員會報告 (1924-1932).
 - 此報告雖包括21所(其中重要之所。多位於我國西部內地)然有數所之記錄 尚不 滿七年。其第四次報告。關於 1924 與 1925 年之每月記錄。及第五次報告。關於 1926 年之記錄。均係圖表式 (Table 125 sqq) 第六次與第七次合併之報告。包括 1927 (p. 22 6th) 與 1928 年。以及自 1924 至 1928 (p. 27 of 7th) 年之平均數。第八次報告 1929 及 1924 至 1929 之平均記錄。第九次報告 1930 年及 1924 至 1930 之平均記錄。 第十及第十一次報告 1931 至 1932 及 1924 至 1932 之平均。如吾人需要一較前明 而內容更豐富之材料。則 Blue Print Sheet 常可用以代此。蓋被已完全包括所有之 記錄也。此會雖免費供給材料與該委員會之調查員。然所取用者。甚屬有限。
- 亦可用以補充材料第(2)、特以其中包括之各數。幾至與材料第3-5者不同。約有七 十所有。每月雨量之總計。在1932年以前。並無如材料第(1)中之每月平均詳細記
- de l'Est (Mandchourie du Nord) et d'Oussouri 此項材料。可由哈爾濱中東鐵路 附近測候所索得其中包括自 1909-13 之報告。1914 出版。

1921 與 1922 則包含 1917, 1918 與 1919, 1923 年有兩刊包含 1920 與 1921, 上述各 刊。均係俄文及法文。1929 年之兩刊。包含 1922-,1926 1928 包含 1927, 此數刊則為 俄女典世界籍。共包括二十所內有十四所成立於 1909 年(其中在西伯利亞之五 所 1920 年始成立) 其餘則成立於 1914 成 1916 年關於氣壓。風向。湿度。霜降。及雨 量。搜集材料之範圍極廣。且記錄亦詳細而完全。

中國華洋義联會報告。

此項報告調查員均得取用。在1929年公佈者。包括一九二六年五月至一九二八年 十二月(凡有平均數)之記錄。一九二九及一九三十年之而量報告。均已分別於1930 及 1931 公佈。共包括廿五所。此廿五所中。多數均與材料第 (4) 和同。是故其而量 記錄。可與材料第(4) 中之記錄和建樹。

吾人現今發表之氣候方面之統計。大部份係根據來源一至八之材料。此項工作。告 **绩於一九三一年十一月。而一九三二年十一月及一九三三年三月。皆有出版。** 材料第九至一九三五年始准採用。



(9) "The Classes Rainfall," Cooling Clu, Institute of Metrocology, National Research Institute, Nandeing. 49 是 异 光 是 第 图 Americal Institute, Nandeing. 49 是 异 光 是 第 图 Americal Institute, Nandeing. 49 是 异 光 是 第 图 Americal Institute and Insti

This source, in calculating means, has not used any available month's data unless data for every other month of that year were available, but such rejected months are still shown in the tables of source 9. See especially note †

table 8.

The maps in source 9 showing mean monthly and mean annual rainfall are based on 120 stations and on the eleven years 1922-32 only in order to have comparable years, but even some of these data are not used owing to the editor's objection to including any of a year's data when one month is

the court injection of the new stations in areas not represented by the older established meteorological stations are given in footnote (b) to table 6. Source I also included IS stations in Korea, Formosa and a hundred or so miles off the Fukien coast not listed in table 8. Those who wish to study aciphbourfile climate influences to the East and North of China will also find ample data in Japanese and Russian Imperial publications (all in Siccawei Library). These publications also include a few stations in China (eg. Shasi, Peiping and places in Manchuria), but as such data are apparently paralleled for the same or neighbouring stations in the nine sets of data listed, and have only been referred to occasionally in this investigation for special minor points, the multications are not listed.

Peiping and places in Manchuria), but as such data are apparently paralleled for the same or freighbouring stations in the nine sets of data listed, and have only been referred to occasionally in this investigation for special minor points, the publications are aga listed.

As to the first sources of the original data, most current publications, especially periodicals, do not consider it necessary to give any indication, nor is the copying or calculating always accurately done. But sources 1 and 2 carefully midicate their authorities in a prefaced list for source 1, and better for each station in source 2. Some of the other publications (e.g. soutces 3 and 5) also indicate their authorities, though usually, when they do so, less clearly. Apart from the mass of steady customs records, nearly all on the coast and along the Yangtez River, the largest group supplying data is that of Roman Catholic missionaties, working with serupulous care and often continuing their observations under circumstances of considerable danger and unxiety. Gaps in the data sometimes indicate the breaking of the instruments by war, or a bandit raid. Other missionaties in still other distant or inland stations have supplied further figures, as have a very few ductational institutions. Still other data come from the Chinese Eastern Railway, the South Manchuran Railway (probably more could be got by personal application at Mukden), and a few commercial enterprises such as the mining administration at Tangshan.

Other agencies, whose collected results are embodied in source 2, are the "Board of Conservancy works of Kwangtung" (23 stations usually for 1918-26) and the "Commission for the agency of the river system of Chilibia" (up to 1925, see notes on rain and temperature records for part of a year each from Tihwa and Turfin in Mongolia and Ty years of Peiping temperature. In the regular bulletin Symptic data issued by the Pei-Chi-Ko Observatory, Nanlings, and the preface information for about 20 to 25 places in Chima were also a fourney in C

of Meteorology, National (9) 中國之兩量 南京中央研究院製集所出版

此項材料有三百五十餘所。每年與每月之平均兩量。及一年中最多與最少用量之 記錄。其中有一百〇三所並來包含在此材料中。大平均錄一九三〇至一九三三年 間成立者。且大平位於山東及浙江南省。可參看補增氫象所之境關而 18。與 185 第 第六及領人表之招法中有關於其他記錄之補註。但計算各表現在之平均數有時 未分應用。因一不均數係從前數種材料計算而得者。則已有多年之記錄為其根據 也。但此種有用之記錄仍存在於第一第六及第八表。

选外山第() 植材料算出之平均数。及計算是項率均數會用着于年之定錄均載於 第六表之附註中。

材料第(2) 計算每年平均數時。如有一月之記錄不適用。則其他各月之記錄全不提 用。但於各表中。凡是項被指案之月份。仍熙常到入。可參看第八表附註。

材料第 (9) 中表示每年與每月之不均用益圖。此關係根據一百二十所十一個年份 1922-1932) 之記錄作改。採用此年數者。蓋所以便於自相比較也。但某年如遺跡 一月編輯者即不採用此年份。故是項記錄中仍有不少未會採用也。

凡各處原先無新氣象所者。均列於第六表附註(h)。

材料第(1)亦包括高麗。台灣及驅進沿海一帶之十三个氣象所但的未列入第八表。 凡欲肝充中國所受東鄰及北鄰區域之影響。均可於日根南國之出版物中発得豐富 之材料(此兩書均在徐家顯圖書館內)。其中亦包括中國數所(即由舊北平及廣州 最處) 但因其記錄與上述九種材料之足錄性資和同。惟解釋特別來要各點時需要 参照故此書未列入上述諸項材料以內。

關於第一個記錄之最初材料。多係各種刊物。特別是定期刊物但是項刊物遊末等 其來源言明。保抄襲。與保計算是故未必均正確無課也。但材料第(1) 與第(2) 則將 各所足錄之考據詳細列於首頁。其他出版物(如材料第(3) 與第(5))亦曾載明考 據雖閩或有不甚詳細。除大部份保海關記錄外。其餘長江沿岸之記錄材料大多由 羅馬天主教之傳教士供給。彼等極為負責。即在相當危險與不安定之時局之下。 彼等仍繼續其詳細之記錄。即或記錄中有間斷之處。乃因兵災匪禍致使儀器損壞 無法記錄其他電於窮鄉僻壤之氣象所。亦多由傳數士供給記錄。因該地少有數青 機關也。此外中東鐵路。南滿鐵路(如以個人資格請求或能於瀋陽獲得較多之記 錄) 以及少數之商業機關如唐山礦務管理處均負供給記錄。

其他代謝機關所搜集之記錄。已包括在材料第(2)者。為廣東治河委員會(自1918-1926有廿三所)及整理河海委員會(其記錄止於1925 參看材料第3)。兩處之工作。 蒙古之吐蕃 (Turfan) 及新疆之迪化 (Tihwa) 一部份時間之雨量與氣溫記錄與北 平七年半之氣溫記錄均保政府測候機關所供給。是項記錄載於南京北極閣天文台 出版之定期刊 "Synoptic data" 上。此刊包括中國 计至廿五個不同地點之氣壓等氣 象材料。但其兩量及氣溫記錄,與吾人現今所討論者不同,尚有極有趣之面北氣溫 記錄可於 Sven Hedin 氏所著 Scientific results of a journey in Central Asia 中 見之 (in German, Stockholm, Swedish General Staff or London, Dulau & Co. 37 Soho Sq.)。此類記錄因工作之地點不一致,每日工作情形之極度不同,以及有數所 包括之年限太短、故對吾人多不適用。但除 Jangi Kol, Temir-lik 及差據等處(六 個月。五個月與四個月)。Nerchinsk, Petrovski (十六個月十四個月) 庫倫奥赤塔 各一年)之即媒外。甯夏一帶春麥區有三個月之經平均數。十一月(自西甯至青 海之西北 37 度東 97½ 度) 十二月 (西葡至凉州及鎮蕃縣) 正月 (葡縣自北至南) 已列入第五表: 其高度自三千至一千二百公尺不等。Vol. V. 5-pt. 1 奥2中最後十 九頁均保新關外蒙古。西比利亞與印度鄰近地帶等。如硫附 Tashkent,伊爾康欠 克, 及 Kultuk, 孟迪, Sibsagar (東 94 度 40 分。北 26 度 55 分) 等地各所之平均

第八表看去似甚佳。但否人仔細觀察。即可知其各所記錄。包括年代之短致便地 圖之一大部份。無氣溫及附量之記號。材料第2第5及第8所取之羅馬制 (Roman ization) 係郵政局普通採用之一種制度。材料第1第6及第7之法機制。業已改改 此制。材料第3第4之中文。亦已同樣改爲羅嶌字。對於村科第7之名稱。文法上 有無錯誤。各人能不負責。當驅隊時。所用之地關係 British General Staff Map 第 34 張 (51 中國) 第 25 張 (4,6 滿州) 及第 22 張 (4.5 - 蒙右) 可於下列各處 E. Stanford Ltd. 12 Long Acre W. C. London 或 Kelly & Walsh, Shanghai 以同樣價格壽得

如下列各節中發現有以營緯度代表地名者。乃表示一種特別之地點。其計算或不 真確。或先地採由一不甚準確之地圖上抄來者。當然對於任何一所在地圖上之真 正位置無人能知。惟尤以河北夷淮河流域之各小所為然。

CHAPTER I.—CLIMATE 第一章 氣候

TABLE I. PRECIPITATION 第一表 雨量

Mean rainful by months to powers millimeter (25.4 mm.—ope inch) Number Number of convenies to inches see table 4 条字不均面量											Annual totals Greatest rain fall recorded in 24 hours Neigh												
of station Name of rainfall station 測候所 各所名標	years of	4	月平均	中面	量 (25.	4公月	等于	3	ह भी)	公風1	七英飞	1 见郊	四英	Win. 冬季	春季		秋季		Max.	Min.	内部	四小時	not in this table (b)
拉 瑪	犯解作動	Jan.	Feb.	Mar. ΞЛ	Apr. 四月	May 五月	June	Jaly	Aug.	Sep.	Oct. 十月	Nov.	Dec.	Dec. Feb. 十二) 至二)	Mar May 用三月至 五月	June Aug. 六月3 八月	Sep. Nov. 九月日 十一月	平均	最高	最低		Day	1
Spring Wheat Area 泰多區 T10 Taichow 作業 T2 Hurryan 電源 T13 Tarung 大原 C6 Yangchiaping 機定的 C1 Hwaihi 使來	64	5 4 1 2 4	1 3 4	3 8 7 10 7	18 23 13 18 10	24 37 40 30 17	38 40 42 74 46	114 102 102 212 158	76 67 83 173 107	30 34 36 35 28	7 13 22 10 8	3 9 3 8 8	4 4 4 2 4 4	10 11 7 8 10	45 68 60 58 34	228 209 227 459 311		323 344 355 578 399	440; 485 518 1000; 625	219 225 435 249			dC5 § G37 = T16, 8, 14 = G17-dG1, 25 § G37C5 = C5-d: C3 § G25, 1
C4 Siwantsz 阿爾子 C2 Kalgan · 研究口 Y4 Kwethwating · 陽化體 Y2 Saratsi · 网拉肯 Average (exchading C6) · 平当數 (C6 在4)	18* 10‡ 6* 10‡	3 2 2	3 2 4 4	9 5 6 8	10 6 7 8	53 33 28 23	56 46 57 45	91 124 67 98	53 79 113 74	38 28 60 52	18 12 18 14	7 3 5 3	4 3 2 5	10 8 8 11 9	72 44 41 39 50	200 249 237 217 235	63 43 83 69 57	345 344 369 336 352	918 544 440 <i>A</i> 435 <i>A</i>	163 133 225 170	123 103 56 - 137	30/5 10/7 12/9 13/6	cfC3 = T14, Y5 Ditto = Y1, 5, cfT8 = Y1
C4 Signata	8 6 7* 4	10 5 9 3 4	8 3 7 1 5	16 14 11 10 5	45 21 31 21 8	51 57 42 36 23	69 57 49 34 47	83 105 177 125 159	128 101 88 84 124	38 67 51 40 54	39 28 17 13 20	8 5 5 11 7	10 4 7 3 5	28 12 23 7 14	112 92 84 67 36	280 264 314 243 330	85 100 73 64 81	505 467 494 381 461	764 674 675 468 813	295 197 392 3003	136 87 66 69 64	5/10 2/8 31/7 11/7 12/7	cfF3, T15 =T15F2 cfF25 cfT7 § T11
T6 Pingyao - 平流 T12 Taiyuan - 大原 T9 Sinchow - 竹州 Average 平均數	10 6 10	4 6 2	3 3	10 7 11	29 15 20	28 27 26	31 47 46	83 114 148	80 89 108	42 36 40	13 15 11	8 8	6 3 4	14 12 9 15	67 49 57 71	194 250 302 272		338 370 427 430	515 468 501	202 285 285		21/8 15/7 8/8	dTI,=T11 -T11dT7 -T7
Winter Wheat-kaoliang Area o 冬喜意覧 M26 Suchien - 名语 M29 Tunghai 東海 U7 Ichowfu - 清片権 M9 Koushangchi - 清上権	10? 7? 3 9?	20 16 27 4 30	26 19 25 18 24	26 24 58 19 28	34 41 92 25 28	33 44 53 37 34	103 121 47 198 64	237 201 126 234 194	164 104 135 120 112	61 139 29 55 69	22 11 28 12 38	14 15 14 33 22	17 20 60 20 20 23	63 55 112 42 77	93 109 203 81 90	504 426 308 552 370	97 165 71 100 129	758 755 694 776 666	891	533		31/7	A13cfA18 § M14, 24 = M7, U8, cfM20, § M11 = M7, U8 § U4 = U8, § U4 = A8, cfA13, 15
A10 Nanhsuchow	12 13? 10? 7? 7? 7? 3	18 707 37 54 20	28	29 38 30 46 21	28 37 73 35 51 50	26 59 31 39 2	68 104 59 49 53	158 219 105 209 152	112 125 169 71 90 161	76 52 21 37 14	38 40 25 21 24 29	18 7 7 16 7	19 11 22 12 16	65 151 107 143 47	90 92 170 96 136 73	370 351 492 235 348 366	129 134 84 49 77 50	666 642 897 487 704 536	1916 794* 1061‡ — 7001	350° 	125	20/8 -/6 -/3 -/3 -/7	-A8, cfA13, 15 -A8, § U4 =F15, cfA5 cf.F12 § A8, F13, 21 -F8cf21, § 9, 13 cfF7, 12, § 8, 21
F1 Changkeh 長高 F10 Kaifeng 開對 F14 Miyang 終點 U16 Tsingtao 常島 U14 Promontory S.E. 均距魚	4? 8 3 35† 38†	8 16 27 11 10	16 16 20 10 11	12 15 34 20 20	32 27 89 38 40	36 24 42 41 45	13 40 106 85 78	259 197 59 156 164	72 154 179 147 152	42 34 25 84 81	8 24 31 33 32	2 10 0 21 34	2 9 48 16 17	26 41 95 36 38	80 66 165 99 105	344 391 344 388 394	52 68 56 137 146	502 566 660 661 683	1120 911 1359 1135	351 337 360	95 70	-/8 -/8 -/6 18/7	cfF, 12, § 8, 21 cfF5 § 7, 8, 9, 3 = F7, cf5, § 3 = F6 § 18, 23 cfU2 cfU13
U1 Chefoo 芝罘 U12 Pingtu 午度 F24 Weihwei 青銅 G34 Taming 大名 G29 Shunteh 順廳	38† 5 7 17 4	13 20 11 9 6	11 10 6 8 3	17 15 7 12 15	26 19 29 13 26	33 27 33 20 30	60 45 45 60 29	170 173 202 131 261	156 132 103 143 118	64 46 46 78 16	25 25 14 12 14	29 11 5 11 14	17 21 1 4 2	41 51 18 21 11	76 61 69 45 71	386 350 350 334 408	118 82 65 101 44	620 544 502 501 534	977 738 647 867 818	361 380 300? 251 357	259	28/6 22/7 10/8 16/7	dU13, 5=R1, 2 § U2 = T15, F22, 2 § F3 = F2, 22, 25ctG16, 45 § U9 = G41ctF25 § G45
U10 Linguing . 臨情 U11 Lokew 第日 U15 Tsinan 清情 G30 Sisochang 責張 G12,27 Huotu-Shih g 機數石家紅	50	19 7 7 8 0	6 5 10 5 6	7 6 11 10 8	14 11 18 16 15	20 22 42 20 20	45 46 84 55 51	150 162 205 144 158	117 120 156 119 151	25 28 69 23 31	12 20 15 5 14	11 10 8 8 0	6 18 5 5 0	31 30 22 18 6	41 39 71 46 43	312 328 446 318 360	48 58 92 36 45	432 455 631 418 454	704 817 1021 575 563	1907 253 348 312 335	154* 109 165 117 80	17/7 18/7 16/7 25/6 22/7	§ U9G41, cfG16, 45 § U9=U3 § U3 =U3, G7 cfG26
G9, 2 Hsien-Chang # 獻縣-張家森	9	8	6	7	15	26	53	126	110	51	11	11	4	18	48	289	73	428	814	265,	162		cfG26, G7=G19
G22 Paoring	11 35± 25‡	7 5 4 5	3 2 2 4	7 6 10 9	15 12 17 22	21 23 27 21	39 42 64 73	202 192 174 264		29 36 48 60	11 8 16 19	8 9 10 7	3 1	12 11 9 10	43 41 55 52	393 363 371 489	48 53 74 86	496 468 509 637	664 728 796 1084	283 270 253 168	248 150 124 225	12/7 23/17 6/8 29/7	=G11, cf14, 19 =G13, 28cf15, 43, § 37 =G35, 44, 28, 43 § 36 =G1, 40, cf6, 8, 17, 25
G46 Yutien	7* 16	6 3	0 3	3 16	19 16	21 61	50 71	291 193	197 188	32 80	14 27	4 14	6 2	12 8 45	43 93 81	538 452 384	50 121 82	643 673 592	746 987	500 369	109 201		=G36, 40cf6, 8 =G36cfR1, 2
Yangtze Rice-wheat Area n 据子亦紹 小麥區																							
yangtze kucewneat Area の (4) 子本店 ・ 小書屋 B1 Hangchow	14 53† 9 7 7?	62 50 23 19 19	85 60 35 35 28	137 87 59 35 23	146 94 62 52 41	111 92 75 53 44	249 188 163 157 96	152 150 174 198 246	176 144 147 153 129	135 120 125 101 88	107 79 22 32 40	82 51 36 27 25	60 63 32 17 20	207 143 90 71 67	393 273 196 140 108	576 481 484 508 471	324 251 183 160 153	1501 1148 953 880 800	2159 1588 1391 —	1043 709 631	129 200 131 —	14/6 24/10 21/8	= M13cfM31, 35 = M30cfM28 = M30, 1, cfM28, 33 = M12, cfM14, 20 § M33
M3 Chinkingpu	127 39† 11–127 44† 9	17 40 13 54 22	38 44 32 58 55	29 75 42 104 82	53 92 56 130 177	54 91 43 126 142	120 178 133 212 289	184 186 159 164 180	192 122 95 121 164	147 98 54 83 114	24 48 35 76 112	26 41 24 56 98	19 25 29 34 24	74 110 74 146 101	136 257 141 360 402		197 187 113 215 324	902 1040 715 1219 1458	1583 1122 1788 2348	552 580 1027	255 80 318	5/8 -/16 19/4	cfM12, 14, 33 § M24A18 =M15 cfA18, 15, 4, 5 cfM15
A1 Anking	2 7 6 44† 6 d	20 71 53 45 33	32 74 19 49 46	62 55 82 96 40	168 88 59 152 135	101 81 51 166 57	323 197 260 243 213	135 155 189 181 130	49 64 145 97 106	96 58 82 72 39	35 11 61 82 41	22 17 49 48 7	55 37 14 27 35	107 182 86 121 114	331 224 193 414 232				1503 2106 1159‡	878 576	180	-/4 22/6 -/7	cfA2F15 = F11, 17 cf16, § 14 cfF11, 17, 23, § F18
15 Stast	13 42† 5*	31 20 29	42 29 17	87 54 61	128 101 63	134 123 86	176 155 78	203 211 190	162 169 157	87 100 92	95 84 62	64 36 41	19 14 30	93 63 76 107	348 277 210 258	541 535 425 500	246 220 195 194	1228 1095 906 1059	1610 1493 1360	829 644 534	146 182 86	13/7	:(F23
Rice-tea Area # 奈柏集區	36† 8 39† 39† 2	47 44 47 68 69						161 170 199 126 53	182 195 235 176 96	214 225 204 177 52	51 91 94 109 22	41 44 57 63 37	47 60 40 48 2		386 480 456 340 612						288 190 269 242 106		D5, 9 D8 B3 fB3
1.5 Nanchang ・・・・ 情格 L3 Kinkiang ・・・ たま 144 Yongchow ・・・ 株 州 141 Changaha ・・ 株 伊 143 Yochow ・・ 伊州 L12 Shorohow ・	2 r 40† 2† 15† 15†	77 63 78 45 32	78 83 130 96 73	110 151 210 146 143				159 143 79 121 115		65 89 70 85 74	50 97 64 89 97	51 68 34 79 110	53 43 45 44 34 22		713 506 628 499 449	475			1887 1 2064 1622 1 2019 1691	367 765 440 939 912	177 211 119 180	4/6 9/6 1/8 4/11	L4 L4 =P10, § O3 14, 6
Average 平均數														72 187	413 498			1208					
142 Shenchow Average 予約数 Average 予約数 Saechwarn Rice Area 深川水和區 26 Sarfa P 24 Chompking 事意 21 Argus p 26 Chengua p 58 Saechwarn Rice Average p 27 Chengua p 58 Saechwarn Rice Average p 58 Saechwarn	6 33† 7* 11 6*	18 16 15 6 5		56 35 33 16 34	80 102 91 47 67	98 141 84 69 172	180 181 160 103 191	187 143 153 143 109	188 131 163 246 133	132 147 94 103 141	103 115 86 49 70	40 50 25 10 22	22 22 14 4 2	49 21 19	234 278 208 132 273	476 492 433			1365 1519 1155 914 1369	830 859 754 4972 554	77 1 208 3 108 1 168 2 71	2/7 1/5 4/8 5/8 4/8	
Z8	22 7* 7* 2 6*	8 13 8 35 33		27 24 16 15 60	56 48 55 80 183		130 83 97 146 142	215 122 70 83 218	194 173 121 166 172	133 100 94 160 203	62 47 47 50 130	16 34 23 47 75	8 13 5 22 32	28 36 25 93 87 47	155 142 146 197 412 211	548 378 288 395 532 479	211 181 164 257 408 237	942 737 623 942 1441 975		4559 4599 207	1901 2 102 2 78 3 88 2 96 2	2/6 8/8 5/8 0/6 0/7	
平均數 (¥1, ∀2, ₹3, 種外)																							alinuol on next page.

TABLE 1. Precipitation - (continued) 第一表 雨量-(續)

Number		Number		Mean :	rainfal	l by m	onths	to nea	rest m	llimete	r (US.4	mm.	one in	:10	Moan	各學不	by seas	級	1	tonual to	Male III		test rain recorded 4 hours	Neighbouring stations	
station		of years of date	4	月平:	均用								北北市	DI JA		Hpr. 作界	Bam. 夏季	析字	Mean	Max.	Mini		高級	未列入本表內之 起近各別候所	
遊戲	各所名牌	理論印數	Jan.											Dec.	Feb.	May = II =	June Aug. 大川至 八川	九川強		B.K.	松性	Mm. 公風	H H		
O5 O8	Cropping Rice Area 水稻网港區 Pakhol 北海 Nanning 南鄉 Shanglin 上株 Yungfu 水輻 Sanli 三里	38† 12 9* 8 8*	32 42 58 51 61	33 58 129 127 89	76 49 100 125 56	144 215	154 244	250 337 456	235	225 331 235	273 115 163 101 124	81 91 57 94 52	45 39 62 63 84	48 32 55 47 49	114 132 242 225 199	354 303 488 756 380	1302 710 974 895 693	399 245 282 258		1971 2718 2396	1389 952 1480 1796 1091	487 237 180 221 147	28/4 7/9 15/6 12/5 20/5	§ E1, 2 § O12 § O12 dO3, § O10 § O11, dO2	
P5 P2	Watlam 管体 Wuchow 拼射 Hongkong 香油 Canton 原州 Yintuk 集體	9* 27† 41 23 8	24 30 33 50 48	62 49 45 76 120	44 87 68 95		207 203 304 264	108 196 403 253	149 167 356 269	237 179 372 256 248	76 99 247 124 93	14 36 130 61 61	58 44 43 45 30	18 38 27 30 28	104 118 105 156 196	362 461 507 519 726	494 542 1130 778 738	179	1108 1299 2162 1682 1843	1734 3041 2796	925 1164 1102 1483	134 521 167	30/5	§ O2, O11 § O11, 15, P16, 19 § P12 cfP16, 17 § P18	
P6 L1	Linchow 澳州 Nanyung 前提 Hoyun 河潭 Kanchow 鎮州 Swatow 助頁	6 8* 7 2 45†	40 54 46 65 35	105 126 119	131 153 148 137	196 229 223 219 144	310 246 328 219	251 271 288 261 267	148 100 199 179 198	129 204 247 213	58 84 108 201 139	87 81 46 132 73	43 34 35 1 39	27 34 19 5 38	172 214 184 169 136	637 628 699 575 453	528 575 734 653 677	188 199 189 334 251	1805	2218 1883 2200 2512	1185 1168 1494 -670	135 179 148 181 278	18/8 27/7 28/6	dP10, 18=O15 dP10, 18 =P11 =P1, § P8	
	Amoy WP Average (omitting O13, D1) 平均數 (O13, D1, 在外) stern Rice Area 四衛永裕區	341	32	77	89	126	158	177	133	168	110	49	32	32	142 169		478. 781		1183 1742	1639	654	233	10/10	ef D2, 3	
06 01 02	Lungchow	28 11 8 7* 6*	19 19 1 25 5	27 30 17 26 15	48 36 24 23 22	75 52	179 111 178	216 247 210	271 230 230	231 225 260 102 194	133 132 105 137 165	54 44 45 104 83	41 42 37 52 29	22 16 13 15 6	68 65 31 66 26	304 290 187 272 149	670 712 737 542 653	218 187 293	1286 1142	1792 1661 16747 1394 1430	551 949 908 1028 787	198 149 115 69 101	17/7	§ O9	
a3 a2	Mengtsz 第自 Yunnanfu 第開府 Fungchuan 東刊 Iengyuch 晚園	70	9 13 14 11		27 14 35 48	18	94 80	155	239	147	106 136 131 160	55 92 51 159	56 44 33 36	14 15 3 19	36 42 33 59 47	147 240	825		1040 891 1479		666 844 682 1154	109	15/8 6/7 30/7 12/10		

- 2 There is doubt as to whether the data fully cover the years listed.

 * An asterisk indicates some incompleteness in the data.

 † A diagor sign following the manther of years means the Table 8 lists additional data which has no been used in calculating the means shown in this table (1).

 † A diagor sign following the manther of years with incomplete data have been omitted.

 (a) The esteroid and assessing the data of the state of the control influence of the control of the control

- 此記錄是否包括如是多之年數, 尚有疑問。
- 不完全之即錄
- 凡有此認诚附於年數後者,係表示本表中之平均數並未用並八表之個外認識加入計算。

- が、大江直管団直送年数、送路の上部へ同じた。近天中の中心的者包 は、信息之地が5万月之でも数、送路の上部不同之次部門西岸、毎種米面色店三年 (3 総合財産と対象性数 33 公園、実石水産(平均数等 43 公園、展所之配益部長 (5 総合財産と何効能等 37 公園、実石水産(平均数等 45 公園、展所之配益部長 (3 総合財産と何効能等 37 公園、房田水産(平均数等 45 公園、展所之配益部長 (3 本財産)。
- (n) 在米坂 9 中、隆徳秀 36 32 公屋 50 3 公屋。 (n) 足帯次表 (h) 2 2階注 (n) 見帯次表 (h) 3 及 4 2階注

- (o) 見第六表 (b) 1 之附註。
- (日 東京東京)・乙居住。 少 報信 1959 日東京 長島 ご高奇 (報信)、製造 大東文 日本 (1924-1952 全年中 / 定総会 一定公会 何居 東州 百島と 富田原 (保信)、製造 大東文 (1952-27年) 教裁相談 (2012 支援 2012 川及 長間 (1952) 27年 製画等 415 交易、明 (本度 1955) 281 天 (双路 (1952) 275 大田 (1952