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34



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臺灣省之米穀與肥料

善後救濟總署臺灣分署 編

民國三十五年

臺灣省之米穀與肥料

善後救濟總署臺灣分署經濟技正室編印

序

依照善後救濟分署組織條例之規定，有一個經濟技正的設置。其任務，於統計，調查之外；還可以做些研究的工作。這一本「米穀與肥料」，便是臺灣分署經濟技正室研究工作的表現。

誰都知道，臺灣是產米之區。但是，臺灣究竟有多少耕地，出多少米，米的消耗怎樣，輸出量多少……這些問題就需要本書來解答。還有，假使臺灣沒有肥料，米的生產就大大的減少。祇要看今年上半年的開糧荒，和本署肥料接濟的呼籲，便是事實的證明。本書告訴讀者一個臺灣需要肥料的輪廓；同時我們體會到沒有工業的產品，就得不到大批的糧食。粗俗地說，我們要吃飯，就不得不工業化！

本書純粹是數字，是表。美麗的描寫和輕鬆的筆調，在本書裏面是找不到的。也許有人把這些數字，這些表，認為不值一看的，也許有人認為可以翻一翻的；見仁見智，讓諸讀者。如有錯誤，歡迎指教！

本書是張澤南兄在何孝怡先生指導之下，努力的結果；還有經濟技正室許多同事們的共同努力；我應該特地表明的。

鍾宇超

卅五年八月廿一日
於臺灣救濟分署

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稻米甘蔗生產與肥料消費之關係

民國十五年至三十三年

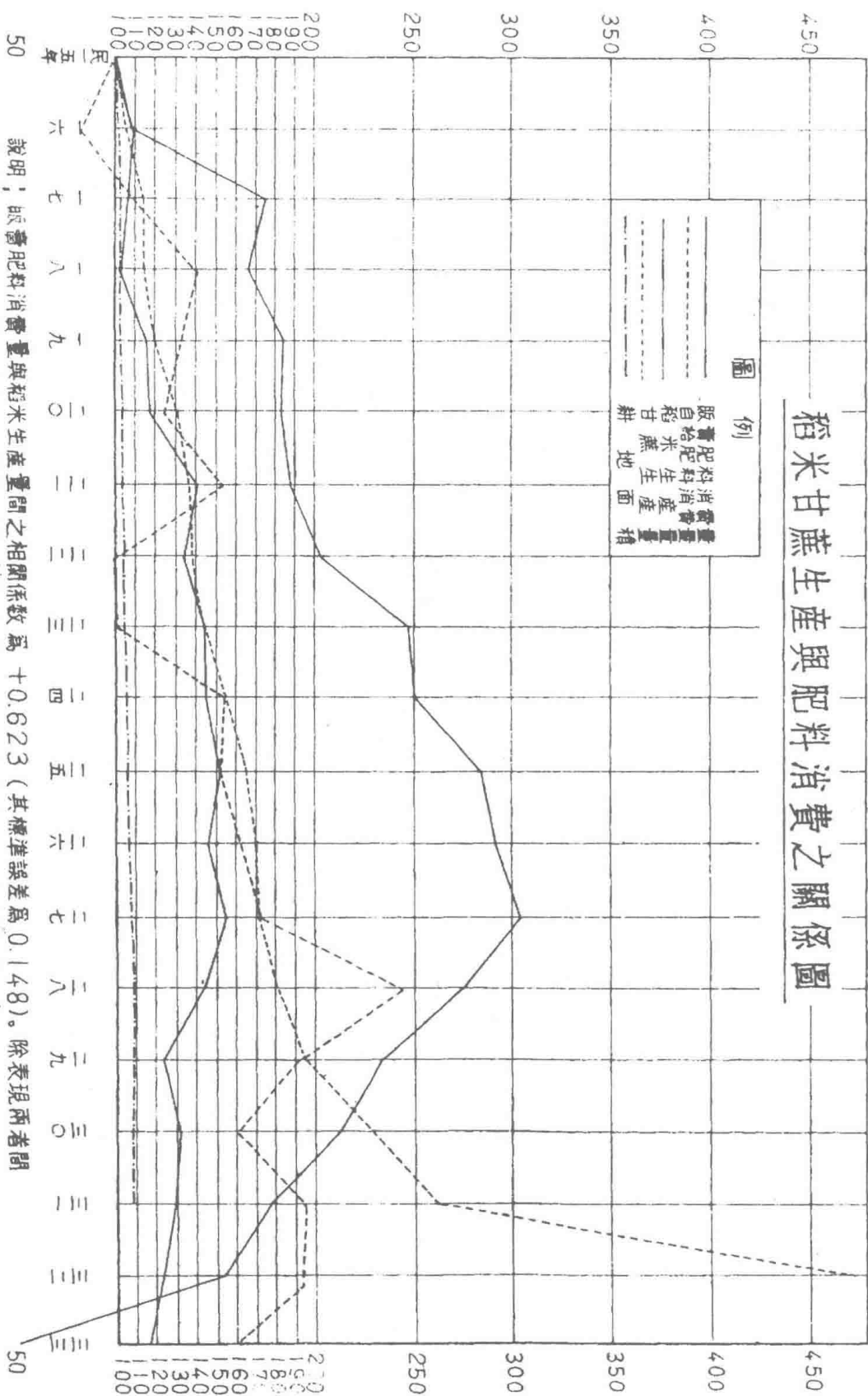
民國15年	販賣肥料		自給肥料		稻	米		甘蔗	植		地
	消費量(公噸)	指數	消費量(公噸)	指數		生產量(日石)	指數		生產量(日斤)	指數	
16	210,327	100	5,279,236	100	6,214,172	100	8,610,114	100	81,454,69	100	
17	231,436	109	5,551,874	105	6,898,672	111	7,411,963	86	821,873,34	101	
18	373,145	175	6,036,252	114	6,795,005	109	9,697,645	112	831,773,93	103	
19	355,909	167	6,015,531	114	6,480,762	104	12,221,944	143	830,010,18	102	
20	391,556	184	6,348,179	120	7,370,516	119	11,618,359	135	833,398,27	102	
21	387,731	182	6,857,010	130	7,479,846	120	10,944,670	127	835,406,12	103	
22	405,446	190	7,181,797	136	8,949,216	144	13,415,475	156	839,729,99	105	
23	431,449	202	7,259,202	139	8,361,839	135	8,811,200	102	845,479,19	104	
24	528,874	249	7,594,084	144	9,088,886	146	8,883,802	103	851,334,32	104	
25	534,924	250	8,187,654	155	9,122,152	147	13,477,260	157	856,774,84	105	
26	604,204	283	8,674,816	164	9,558,390	154	13,190,389	153	872,258,11	106	
27	622,109	291	9,030,712	170	9,233,127	149	14,271,874	166	883,256,84	107	
28	648,890	304	9,027,443	171	9,816,899	158	15,101,099	175	884,409,35	108	
29	585,148	274	9,555,046	181	9,151,740	147	21,370,368	248	886,225,40	109	
30	495,184	232	10,218,208	194	7,901,492	127	16,628,466	193	887,141,50	110	
31	449,566	211	12,011,675	228	8,393,040	135	13,987,307	163	886,117,83	104	
32	378,072	177	13,752,237	261	8,198,271	132	17,082,749	198	887,979,06	105	
33	325,702	153	24,388,204	472	7,880,626	127	16,820,472	196	?	?	
	110,068	52	?	?	7,536,658	120	14,113,057	164	?	?	

註：(1) 甲為臺灣需用之地積單位。根據臺灣省行政長官公署民政處地政局“各國度量衡比較表”：每甲合 0.06992 公頃或 14.51876 市畝。

(2) 1日石合 1.80391公石或市石。

(3) 1日斤合0.60000公斤或1.20000市斤。

稻米甘蔗生產與肥料消費之關係圖



說明：肥料消費量與稻米生產量間之關係係數為 $+0.623$ (其標準誤差為 0.148)。除表現兩者間之長期趨勢相似外，且說明每年短期變動相當量之相似。此係數係用第二階差相關法算出。

2 販賣肥料之消費量 (單位：公噸)

民國二十九年八月至三十年七月

總計	種別										其他					
	東北	蘇北	蘇中	蘇南	高雄	臺東	花蓮港	澎湖	其他							
計	488,437	50,217	77,629	94,879	71,781	47,828	4,503	6,689	416	650	354,592	72,600	117,724	24,110	16,121	3,300
硫酸	170,870	23,831	31,700	39,814	29,845	19,111	2,046	2,829	16	600	146,067	83,448	24,800	14,522	—	—
磷	10,136	932	1,421	1,700	1,000	802	66	80	—	—	6,000	57,412	4,480	42,558	—	—
其他	3,503	167	164	793	894	360	26	23	10	30	2,550	71,430	1,000	23,557	—	—
混合	84,799	11,799	18,197	21,950	14,540	9,524	993	1,574	73	—	77,637	91,339	5,641	6,638	—	—
油	17,281	480	743	965	1,070	610	53	45	37	—	2,700	21,471	13,581	78,667	—	—
其他	68,219	12,443	7,109	24,632	19,450	3,821	1,079	1,615	138	—	94,999	94,891	68,219	100,000	4,938	—
合計	93,834	4,145	6,396	7,873	4,992	3,600	240	523	—	—	27,769	—	—	—	7,986	100,000
合計	2,625	—	—	—	—	—	—	—	—	—	—	—	—	—	2,625	100,000

民國三十年八月至三十一年七月

合計	硫酸	磷	其他	混合	油	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅	餅
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民國三十一年八月至三十二年七月

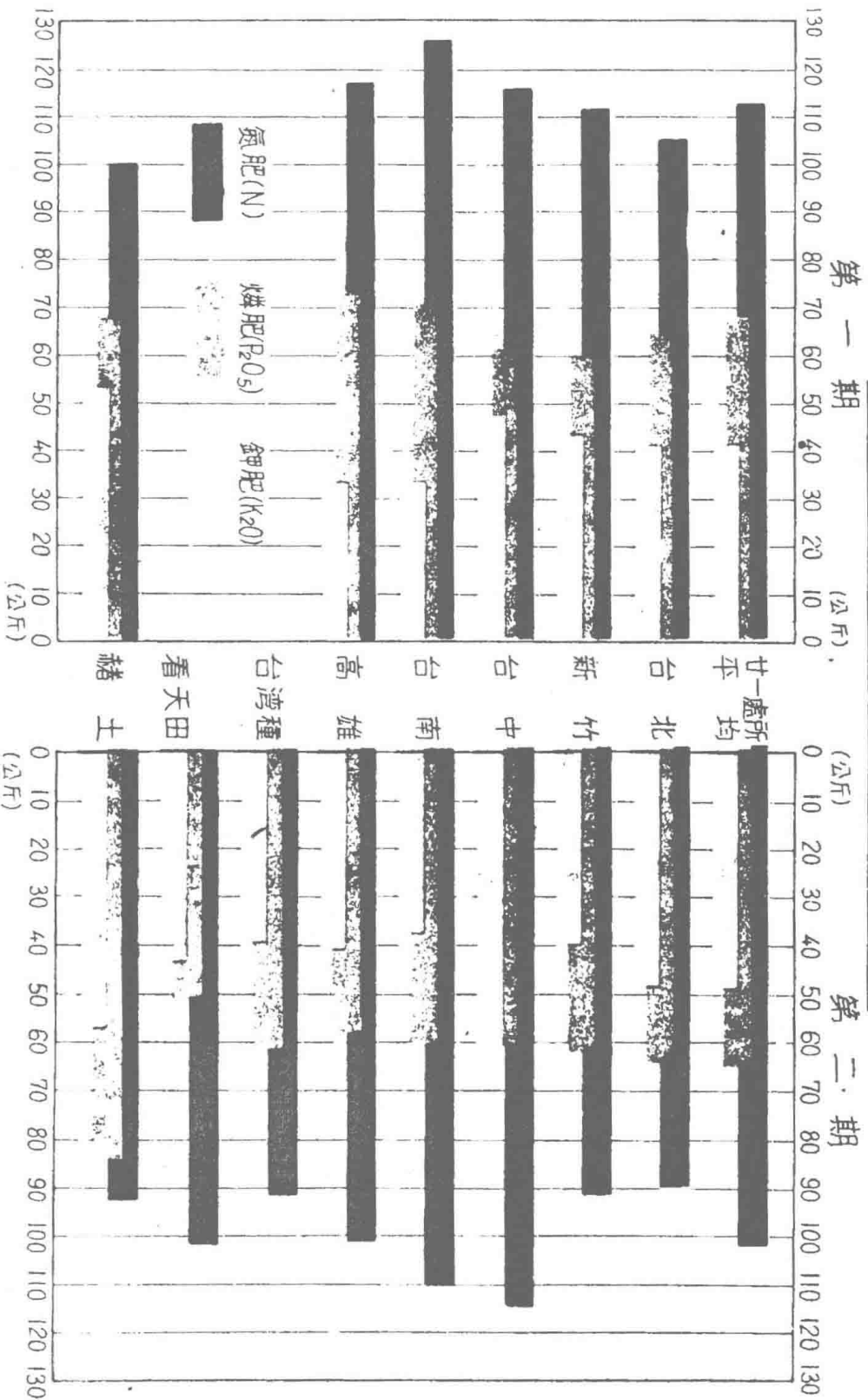
合計	食料	飼料	其他	豆	油	其他	合計	食料	飼料	其他	豆	油	其他	合計	食料	飼料	其他	豆	油	其他										
341,082	34,589	50,511	65,439	55,584	33,720	4,043	5,186	703	250,775	73,520	67,601	19,810	22,712	6,670	194,930	18,913	28,046	37,300	33,140	18,967	2,456	3,066	193	142,626	73,116	51,669	26,672	—	—	
10,006	1,074	1,687	2,127	1,574	1,080	302	507	53	7,566	73,116	2,500	24,334	—	—	34,517	3,585	4,471	6,168	4,228	2,586	85	96	—	—	22,815	65,034	10,732	31,077	—	—
7,343	617	970	1,271	952	399	—	—	—	4,845	63,230	2,700	36,778	—	—	86,084	10,206	14,941	18,645	13,545	10,327	1,200	1,514	437	—	71,834	82,933	—	—	—	—
2,289	222	313	420	143	161	—	—	—	1,268	56,227	—	—	—	—	4,260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
321	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
213	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3 氮磷鉀肥每公頃之適當施肥量 (單位：公斤)

	第一期 作			第二期 作			備考
	氮 肥	磷 肥	鉀 肥	氮 肥	磷 肥	鉀 肥	
臺北市等 21 處所 平均	112	67	41	103	65	49	附表一
臺北 9 處所	105	61	41	91	64	47	附表二
新竹 5 處所	111	59	43	92	62	49	附表三
臺中 5 處所	116	61	47	116	61	61	附表四
臺南 6 處所	126	70	38	111	61	38	附表五
高雄 6 處所	117	73	38	102	58	41	附表六
臺灣種植(九點)5處所	—	—	—	92	62	40	
石炭山 4 處所	—	—	—	102	51	44	附表七
蘇北 2 處所	100	68	53	93	85	58	

附註：本表根據化學肥料研究所：民國二十九年至三十一年「施肥標準量」調查試驗。

氮磷鉀肥每公頃之適當施肥量圖



附表一 臺北市第二十一處所平均適當施肥量 (單位：公斤/公頃)

試驗地點	第一期			第二期			第三期		
	氮	肥	磷	氮	肥	磷	氮	肥	磷
臺北縣 市	110		80	65	100	75	50		50
新莊鄉	120		75	30	90	50	35		35
土城鄉	115		35	25	90	40	30		30
五股鄉	125		50	25	70	70	25		25
林口鄉	125		85	35	115	60	50		50
淡水鄉	100		85	60	80	80	70		70
金山鄉	90		75	50	90	75	50		50
金剛鄉	100		45	25	105	70	25		25
壯多鄉	65		50	60	85	55	80		80
臺中市 市	120		35	30	120	80	35		35
豐原市	125		80	30	115	80	60		60
大甲鎮	105		65	35	125	40	55		55
員林鎮	120		85	40	115	85	60		60
二林鎮	130		50	45	90	45	60		60
彰化縣 市	100		30	35	130	85	25		25
西港鄉	130		70	35	150	85	20		20
南港鄉	125		80	40	120	75	30		30
南港鄉	115		85	35	80	55	70		70
高樹鄉	90		35	30	60	55	70		70
潮州鄉	125		55	35	120	60	70		70
林邊鄉	125		85	35	110	70	35		35
平均	112		67	41	103	65	49		49

註：稻種係蓬萊種。

附表二 臺北平均適當施肥量 (單位：公斤 / 公頃)

試驗地	第 一 期	第 二 期	作 肥	作 肥	作 肥	作 肥	作 肥	作 肥
	氮	磷	鉀	氮	磷	鉀	氮	磷
臺北縣								
市	110	80	65	100	75	50	75	35
市	120	75	30	90	50	30	50	30
市	115	35	25	70	40	25	40	25
市	125	85	35	115	60	50	60	50
市	100	85	60	80	80	70	80	70
市	90	75	50	90	75	80	75	80
市	100	45	25	105	70	25	70	25
市	65	50	60	9	55	80	55	80
市	105	64	41	91	64	49	64	49

附表三 新竹平均適當施肥量 (單位：公斤 / 公頃)

試驗地	第 一 期	第 二 期	作 肥	作 肥	作 肥	作 肥	作 肥	作 肥
	氮	磷	鉀	氮	磷	鉀	氮	磷
新竹縣								
市	110	45	30	90	30	30	30	30
市	105	85	25	100	85	35	85	35
市	95	50	45	85	50	40	85	40
市	120	65	35	100	65	30	100	30
市	110	55	45	90	55	40	90	40
市	105	50	35	90	50	30	90	30
市	100	45	25	90	45	20	90	20
市	105	59	45	92	59	40	92	40

註：肥料係在來種

附表四 臺中、彰化平均適當施肥量 (單位：公斤 / 公頃)

試驗地	第 一 期	第 二 期	作 肥	作 肥	作 肥	作 肥	作 肥	作 肥
	氮	磷	鉀	氮	磷	鉀	氮	磷
臺中縣								
市	120	35	30	125	40	35	125	40
市	125	80	20	130	80	20	130	20
市	105	50	35	105	50	35	105	35
市	20	65	40	20	65	40	20	65
市	100	35	45	100	35	45	100	45
市	100	30	45	100	30	45	100	45
市	115	64	47	115	64	41	115	41