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Table 6. (Cont'd.)

Prefecture	Wheat		Oats	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hiroshima	23,179	55,558	2	3
Yamaguchi	29,283	57,602	35	52
Tokushima	8,978	22,388	-	-
Kagawa	52,060	163,851	<u>1</u>	1
Ehime	19,462	44,445	1	1
Kochi	5,965	11,471	-	-
Fukuoka	114,542	252,513	31	38
Saga	58,626	115,955	12	14
Nagasaki	31,355	62,352	5	8
Kumamoto	93,985	161,468	534	494
Oita	51,333	95,090	194	248
Miyazaki	30,831	38,995	6,136	7,005
Kagoshima	79,169	95,591	3,598	2,932
Okinawa	3,913	3,085	-	-
Totals	1,827,184	3,720,259	303,558	319,119

1/ Less than 0.5 acre.

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Table 7.

MILLETS: ACREAGE AND PRODUCTION OF FOXTAIL, PROSO, AND BARNYARD MILLETS
IN JAPAN BY PREFECTURES, 1939. 1/

Prefecture	Foxtail Millet		Proso Millet		Barnyard Millet	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	1,677	1,818	23,369	23,084	14,723	22,319
Aomori	9,951	10,544	323	387	14,093	26,606
Iwate	10,824	9,567	919	840	37,375	67,832
Miyagi	582	392	178	131	29	23
Akita	2,848	1,522	134	86	99	64
Yamagata	844	510	236	174	19	14
Fukushima	2,727	2,350	724	748	333	323
Ibaraki	4,370	7,209	62	78	47	106
Tochigi	1,328	1,873	67	62	333	4,667
Gunma	3,078	2,917	732	720	1,708	3,049
Saitama	2,100	2,361	255	256	35	46
Chiba	2,028	2,545	810	796	29	36
Tokyo	626	860	732	990	15	33
Kanagawa	2,808	4,181	255	355	9	14
Niigata	2,240	1,624	406	289	447	473
Toyama	421	294	118	93	68	72
Ishikawa	510	490	247	246	282	502
Fukui	577	441	149	134	271	297
Yamanashi	1,223	1,149	647	654	177	207
Nagano	3,610	3,734	615	664	1,415	2,009
Gifu	1,675	1,399	1,304	1,471	3,232	4,007
Shizuoka	1,327	1,433	979	1,480	562	615
Aichi	1,173	1,558	1,448	2,068	43	76
Miye	495	589	1,323	112	-	-
Shiga	176	160	39	36	1	1
Kyoto	183	135	39	34	1	2
Osaka	3	2	1	1	<u>2/</u>	<u>3/</u>
Hyogo	532	428	109	93	-	-
Nara	198	205	71	65	4	4
Wakayama	97	91	40	35	-	-
Tottori	249	169	43	38	5	5

1/ Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.
2/ Less than 0.5 acre.
3/ Less than 500 lbs.

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Table 7. (Cont'd.)

Prefecture	Foxtail Millet		Proso Millet		Barnyard Millet	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Shimane	998	421	313	147	27	10
Okayama	1,418	939	1,192	931	1	1
Hiroshima	1,712	1,205	1,915	1,041	18	21
Yamaguchi	1,447	876	1,308	868	7	7
Tokushima	1,172	966	591	625	467	543
Kagawa	119	51	402	195	-	-
Ehime	1,536	960	934	583	109	98
Kochi	296	186	376	261	552	601
Fukuoka	870	2,572	124	117	22	12
Saga	854	786	137	121	-	-
Nagasaki	8,136	10,884	178	134	3	2
Kumamoto	26,753	43,803	829	648	265	316
Oita	2,742	3,370	135	131	50	58
Miyazaki	4,427	4,886	201	170	346	313
Kagoshima	36,794	39,536	277	250	-	-
Okinawa	3,327	1,563	863	416	-	-
Totals	153,081	175,554	46,149	42,858	77,222	135,384

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Table 8.

POTATOES: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 1/

Prefecture	Irish Potatoes		Sweet Potatoes	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	216,068	2,278,855	43	214
Aomori	17,476	152,553	592	3,210
Iwate	20,109	78,215	1,035	10,531
Miyagi	10,330	119,936	3,362	31,881
Akita	6,580	68,460	1,547	11,892
Yamagata	5,278	44,747	2,802	18,943
Fukushima	6,897	107,082	6,362	54,837
Ibaraki	4,942	65,625	32,548	431,384
Tochigi	5,119	58,154	10,803	123,541
Gumma	5,650	69,823	10,057	123,488
Saitama	9,761	110,285	29,491	308,587
Chiba	2,618	28,602	52,179	711,567
Tokyo	5,217	85,122	12,168	147,924
Kanagawa	4,885	42,524	20,721	266,130
Niigata	9,799	66,716	14,773	89,961
Toyama	2,058	20,786	3,009	27,293
Ishikawa	2,347	17,640	4,863	36,399
Fukui	2,347	21,033	2,305	9,150
Yamanashi	3,338	36,001	2,530	27,663
Nagano	6,508	69,095	1,589	16,582
Gifu	2,966	23,069	7,126	75,081
Shizuoka	4,118	44,124	26,004	374,272
Aichi	4,991	48,415	15,088	165,871
Miye	1,236	11,444	8,066	87,400
Shiga	1,047	11,372	1,825	15,425
Kyoto	1,836	15,046	2,917	21,174
Osaka	4,199	45,611	2,219	15,632
Hyogo	4,991	41,779	4,678	31,701
Nara	1,520	15,619	2,327	25,677
Wakayama	844	8,681	4,396	47,408
Tottori	999	7,067	3,379	15,254
Shimane	1,070	4,356	5,153	10,146
Okayama	3,562	33,622	7,301	25,294
Hiroshima	4,299	35,982	14,801	60,261
Yamaguchi	2,683	24,212	6,798	44,468

1/ Office of Foreign Agricultural Relations. Norinsho Tokeiyo, 1939.

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Table 8. (Cont'd.)

Prefecture	Irish Potatoes		Sweet Potatoes	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	1,996	20,257	9,890	100,680
Kagawa	1,167	9,209	6,033	13,535
Khime	1,991	16,369	20,167	199,791
Kochi	593	4,004	15,922	149,419
Fukuoka	5,717	62,288	5,975	44,993
Saga	1,679	15,757	4,335	39,017
Nagasaki	5,391	45,987	51,168	444,896
Kumamoto	2,554	20,629	33,919	271,095
Oita	1,107	10,130	10,162	90,360
Miyasaki	792	5,949	30,373	434,117
Kagoshima	3,170	28,578	93,074	1,183,352
Okinawa	17	273	74,981	1,277,084
Totals	413,862	4,151,083	680,856	7,714,580

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Table 9.

BEANS: ACREAGE AND PRODUCTION OF SOYBEANS, KIDNEY BEANS, AND OTHER BEANS IN JAPAN BY PREFECTURES, 1939. ^{1/}

Prefecture	Soybeans		Kidney Beans		Other Beans ^{2/}	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	202,808	226,224	217,845	207,202	91,666	103,155
Aomori	35,176	40,180	774	1,968	4,945	5,329
Iwate	61,033	78,600	930	1,107	7,732	6,679
Miyagi	37,027	37,407	687	748	5,592	4,153
Akita	22,619	18,925	1,043	924	5,315	3,662
Yamagata	15,589	15,499	953	1,001	4,637	3,176
Fukushima	29,001	30,195	908	1,108	8,058	6,139
Ibaraki	38,130	37,204	898	935	5,886	4,983
Tochigi	10,256	9,767	336	346	5,413	4,943
Gumma	8,558	8,719	741	891	2,948	2,454
Saitama	16,782	17,088	947	1,159	4,384	3,251
Chiba	23,889	26,395	776	754	3,360	3,078
Tokyo	669	807	462	779	331	350
Kanagawa	2,171	3,093	285	401	875	836
Niigata	30,974	27,643	575	796	9,969	6,547
Toyama	6,301	10,571	105	176	3,134	3,206
Ishikawa	7,296	10,792	179	297	3,281	3,265
Fukui	5,188	7,644	99	129	1,708	1,645
Yamanashi	5,048	5,904	958	1,056	1,377	1,109
Nagano	23,690	24,655	871	1,206	7,624	4,635
Gifu	7,146	8,220	315	380	2,382	2,011
Shizuoka	4,188	4,416	313	506	2,272	1,845
Aichi	4,512	5,949	240	356	2,215	2,203
Miye	4,149	5,237	187	240	1,470	1,438
Shiga	4,649	6,197	191	287	1,769	1,638
Kyoto	2,362	3,464	402	410	1,696	1,617
Osaka	1,735	2,686	196	389	331	382
Hyogo	7,550	10,681	210	305	2,875	2,622
Nara	2,294	3,894	267	385	936	1,089
Wakayama	1,877	2,894	129	152	520	580
Tottori	2,267	3,129	259	309	1,299	1,210
Shimane	7,202	3,780	172	153	4,036	1,327

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.
^{2/} Azuki beans.

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Table 9. (Cont'd.)

Prefecture	Soybeans		Kidney Beans		Other Beans	
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
	Okayama	7,778	7,938	132	116	3,110	1,797
Hiroshima	6,600	5,721	250	294	4,200	2,531
Yamaguchi	7,781	3,847	129	125	3,453	1,891
Tokushima	3,240	4,022	187	212	875	831
Kagawa	2,233	2,488	45	53	502	297
Ehime	8,185	6,961	134	168	2,676	1,370
Kochi	2,103	1,954	188	201	1,203	883
Fukuoka	4,931	5,054	365	134	1,578	1,119
Saga	6,011	4,867	73	86	1,571	991
Nagasaki	23,105	18,237	256	295	1,431	795
Kumamoto	24,168	19,986	221	206	8,675	5,299
Oita	7,041	8,296	208	278	3,213	2,820
Miyazaki	11,645	13,410	66	70	2,010	1,873
Kagoshima	35,262	31,330	110	165	2,460	1,644
Okinawa	12,665	11,730	293	284	1,627	653
Totals	794,884	843,700	235,910	229,542	238,624	215,351

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Table 10.

PEAS, BROAD BEANS, AND PEANUTS: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Peas		Broad Beans		Peanuts	
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
	Hokkaido	51,589	40,103	108	107	-
Aomori	521	624	10	11	-	-
Iwate	428	594	-	-	-	-
Miyagi	654	933	117	96	-	-
Akita	942	849	21	18	-	-
Yamagata	646	713	6	11	-	-
Fukushima	759	1,036	128	228	9	14
Ibaraki	336	421	850	1,255	745	1,561
Tochigi	186	203	321	486	833	1,057
Gunma	349	507	152	247	29	46
Saitama	489	615	1,177	1,704	12	19
Chiba	1,471	1,845	4,201	5,308	11,036	18,008
Tokyo	140	177	224	455	12	34
Kanagawa	444	835	693	1,418	4,002	7,256
Niigata	570	544	360	348	36	60
Toyama	258	351	21	24	-	-
Ishikawa	458	691	574	686	2	2
Fukui	197	209	336	308	2	2
Yamanashi	255	345	532	707	9	20
Nagano	450	666	200	327	3	5
Gifu	535	686	1,246	1,733	16	48
Shizuoka	1,109	1,456	932	1,446	788	1,972
Aichi	2,034	2,864	1,291	1,915	294	581
Miye	1,034	1,215	2,068	2,623	39	101
Shiga	1,028	1,341	1,645	2,212	2	2
Kyoto	1,609	1,754	1,516	1,594	-	-
Osaka	2,338	3,708	3,744	5,385	1	4
Hyogo	860	1,235	3,686	5,920	-	-
Nara	927	1,218	2,291	3,244	2	2
Wakayama	1,023	1,293	1,615	2,439	2	4
Tottori	608	731	1,674	2,324	1	1
Shimane	451	474	1,527	1,680	-	-
Okayama	791	1,058	2,161	3,146	10	14
Hiroshima	1,322	2,038	2,576	4,162	2	2
Yamaguchi	800	904	1,997	2,472	9	15

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 10. (continued)

Prefecture	Peas		Broad Beans		Peanuts	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	291	415	2,236	4,782	5	9
Kagawa	169	285	3,436	6,121	3	4
Ehime	778	1,089	3,584	5,550	4	4
Kochi	1,250	1,370	724	917	7	13
Fukuoka	1,165	1,212	5,556	7,809	7	22
Saga	365	471	4,309	6,083	25	22
Nagasaki	802	1,085	2,819	3,261	46	126
Kumamoto	999	1,260	3,300	4,300	2	5
Oita	551	674	1,874	2,464	116	231
Miyazaki	633	547	385	392	56	102
Kagoshima	1,684	2,243	1,169	878	1,888	2,807
Okinawa	1,441	857	2,510	1,672	168	286
Total	87,739	85,744	71,902	100,268	20,223	34,461

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Table 11.

CUCUMBERS AND WHITE CUCUMBERS: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Cucumbers		White Cucumbers	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	3,129	36,069	1,185	11,572
Aomori	1,762	16,957	103	775
Iwate	1,247	13,580	126	1,229
Miyagi	1,261	11,555	64	307
Akita	1,799	16,526	294	2,187
Yamagata	1,519	16,888	299	2,388
Fukushima	1,825	18,289	123	1,311
Ibaraki	1,630	22,482	480	5,208
Tochigi	1,517	19,176	38	422
Gunma	1,169	18,257	179	2,223
Saitama	1,988	23,899	400	4,255
Chiba	2,084	24,153	1,026	10,362
Tokyo	1,992	44,242	1,227	22,396
Kanagawa	1,633	21,643	107	2,301
Niigata	2,549	26,567	503	3,568
Toyama	508	8,491	144	2,518
Ishikawa	643	7,441	98	995
Fukui	402	5,013	151	1,958
Yamanashi	582	7,638	204	2,047
Nagano	1,102	15,482	564	8,155
Gifu	696	8,655	50	443
Shizuoka	1,137	16,473	230	2,508
Aichi	905	12,606	772	9,465
Miye	765	9,680	152	1,563
Shiga	494	6,674	303	3,404
Kyoto	1,016	14,640	271	4,357
Osaka	1,031	24,842	248	3,758
Hyogo	832	10,913	301	3,841
Nara	677	10,400	58	894
Wakayama	353	4,122	101	1,176
Tottori	229	1,884	163	2,155
Shimane	402	2,125	125	612
Okayama	456	5,305	277	5,421
Hiroshima	1,204	13,159	684	7,909
Yamaguchi	741	7,719	332	3,074

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokaihyo, 1939.

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Table 11. (continued)

Prefecture	Cucumbers		White Cucumbers	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	372	4,963	235	4,395
Kagawa	294	3,035	155	1,565
Ehime	701	7,370	292	2,513
Kochi	731	13,968	138	1,437
Fukuoka	1,302	16,420	546	6,886
Saga	494	5,576	251	2,438
Nagasaki	879	6,299	272	1,862
Kumamoto	1,070	10,539	382	3,837
Oita	653	5,689	334	3,017
Miyazaki	703	7,982	66	566
Kagoshima	1,101	9,369	85	616
Okinawa	190	1,345	107	778
Total	49,769	616,100	14,308	166,667

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Table 12.

PUMPKINS, WATERMELONS AND CANTALOUPE: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Pumpkins		Watermelons		Cantaloupes	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	15,143	198,549	2,953	37,199	1,500	14,643
Aomori	1,784	18,352	1,213	9,618	1,019	8,076
Iwate	685	8,796	442	5,538	284	3,271
Miyagi	887	10,053	450	4,554	1,159	1,159
Akita	1,050	9,639	807	7,479	631	4,341
Yamagata	1,820	18,071	1,181	12,890	523	3,019
Fukushima	1,738	18,790	423	4,993	220	3,141
Ibaraki	1,812	27,516	3,080	56,313	435	4,733
Tochigi	807	9,363	541	8,265	12	117
Gumma	772	10,670	1,327	22,358	125	1,369
Saitama	1,041	16,204	1,492	20,039	185	1,937
Chiba	1,891	25,246	4,214	65,253	493	3,946
Tokyo	876	14,324	1,274	29,691	89	829
Kanagawa	407	4,667	1,881	25,274	60	454
Niigata	1,729	14,751	3,347	28,983	695	4,556
Toyama	417	5,947	1,098	23,584	210	2,939
Ishikawa	323	3,021	829	9,590	149	1,558
Fukui	230	2,492	556	7,403	190	2,219
Yamanashi	434	5,175	69	955	5	51
Nagano	1,193	16,515	409	6,645	91	965
Gifu	730	8,426	643	7,508	117	1,056
Shizuoka	866	11,142	1,732	25,950	279	2,238
Aichi	1,858	26,591	3,956	64,244	1,125	10,419
Miye	851	10,909	773	12,690	98	1,205
Shiga	476	5,915	833	12,399	283	3,088
Kyoto	578	7,750	660	11,525	144	1,492
Osaka	390	5,983	1,008	23,107	251	3,771
Hyogo	632	7,070	1,399	29,863	203	2,688
Nara	439	7,080	1,735	44,745	268	5,350
Wakayama	272	3,559	511	9,243	65	664
Tottori	456	3,452	776	7,643	101	1,205
Shimane	431	1,875	292	1,762	25	96
Okayama	1,300	10,183	669	11,562	70	914
Hiroshima	726	5,254	918	5,885	203	1,481
Yamaguchi	630	6,906	824	10,860	181	1,586

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 12. (continued)

Prefecture	Pumpkin		Watermelons		Cantaloupe	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	231	2,819	474	10,623	35	482
Kagawa	193	1,429	344	5,795	16	133
Ehime	800	7,777	1,364	23,152	61	485
Kochi	407	4,407	1,772	55,222	31	289
Fukuoka	1,412	17,200	1,375	21,132	151	1,523
Saga	401	4,228	715	9,403	151	1,593
Nagasaki	1,978	15,033	2,280	22,489	385	2,612
Kumamoto	1,882	20,148	4,061	41,325	279	2,321
Oita	661	6,031	785	9,358	128	834
Miyazaki	2,323	28,073	1,335	16,165	99	826
Kagoshima	1,671	16,765	2,836	29,223	535	4,350
Okinawa	237	2,378	327	2,702	-	-
Total	57,870	686,524	61,983	912,199	12,349	116,024

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Table 13.

EGG PLANT AND TOMATOES: ACREAGE AND PRODUCTION IN JAPAN
BY PREFECTURES, 1939 ^{1/}

Prefecture	Egg Plant		Tomatoes	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	2,274	29,891	1,787	22,564
Aomori	1,732	17,409	448	4,353
Iwate	1,015	9,456	394	4,178
Miyagi	1,987	18,774	494	4,118
Akita	2,546	20,930	521	4,683
Yamagata	2,147	23,585	463	4,682
Fukushima	2,657	26,272	590	5,888
Ibaraki	2,772	34,673	825	10,760
Tochigi	2,322	24,146	523	5,610
Gunma	2,072	27,095	701	10,069
Saitama	3,081	41,456	830	11,799
Chiba	2,500	28,798	906	11,933
Tokyo	2,932	61,384	1,425	31,671
Kanagawa	1,542	23,124	606	9,924
Niigata	3,935	38,235	682	6,101
Toyama	910	22,024	138	2,455
Ishikawa	859	12,075	180	1,812
Fukui	757	12,192	108	1,236
Yamanashi	895	12,965	244	2,828
Nagano	1,795	26,228	465	7,458
Gifu	1,703	24,817	312	3,612
Shizuoka	1,700	26,989	849	16,489
Aichi	2,695	49,351	1,410	30,218
Miye	1,208	16,368	255	3,286
Shiga	1,234	17,756	272	3,407
Kyoto	1,280	24,027	508	9,058
Osaka	1,304	35,783	419	10,702
Hyogo	1,513	24,660	691	12,809
Nara	535	8,711	189	3,506
Wakayama	596	8,314	185	2,832
Tottori	546	6,315	165	1,583
Shimane	971	4,962	232	940
Okayama	938	10,871	335	3,559
Hiroshima	1,780	20,572	656	4,956
Yamaguchi	1,091	13,663	526	6,149

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 13. (continued)

Prefecture	Egg Plant		Tomatoes	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	759	10,120	197	3,481
Kagawa	553	6,438	77	718
Ehime	1,017	10,424	456	4,170
Kochi	752	10,806	231	4,905
Fukuoka	1,994	21,493	1,140	15,274
Saga	726	8,196	277	3,329
Nagasaki	1,130	7,691	617	4,153
Kumamoto	1,799	18,282	742	6,266
Oita	1,294	12,419	312	2,653
Miyazaki	963	11,235	304	3,483
Kagoshima	1,655	17,311	682	6,328
Okinawa	35	246	136	3,120
Total	73,001	940,552	24,505	335,108

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Table 14.

WHITE RADISH: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	White Radish			
	Acreage	Production		Per Acre
	Acres	1,000 lbs.	Metric tons	Pounds
Hokkaido	14,997	327,892	148,735	21,863
Aomori	5,570	107,144	48,602	19,236
Iwate	6,143	125,744	57,039	20,466
Miyagi	7,015	112,609	51,081	16,050
Akita	7,725	112,413	50,992	14,551
Yamagata	5,464	90,177	40,906	16,501
Fukushima	9,125	141,867	64,353	15,546
Ibaraki	5,081	103,691	47,036	20,405
Tochigi	4,674	96,123	43,603	20,563
Gumma	4,860	107,863	48,928	22,191
Saitama	6,505	129,743	58,853	19,943
Chiba	6,822	110,586	50,163	16,208
Tokyo	8,022	276,237	125,304	34,431
Kanagawa	4,957	158,042	71,690	31,880
Niigata	13,147	170,469	77,327	12,966
Toyama	3,000	74,540	33,812	24,847
Ishikawa	2,827	47,382	21,493	16,756
Fukui	2,560	46,141	20,930	18,023
Yamanashi	2,304	42,105	19,100	18,269
Nagano	8,069	172,692	78,335	21,401
Gifu	4,981	87,728	39,795	17,610
Shizuoka	7,631	205,144	93,056	26,882
Aichi	13,580	339,337	153,927	24,987
Miye	5,966	144,206	65,413	24,168
Shiga	2,778	69,225	31,401	24,918
Kyoto	3,787	81,516	36,977	21,522
Osaka	3,353	85,477	38,773	25,486
Hyogo	6,847	135,244	61,348	19,752
Nara	1,780	41,514	18,831	23,313
Wakayama	3,083	108,213	49,087	35,098
Tottori	2,628	40,572	18,404	15,435
Shimane	3,714	51,365	23,300	13,826
Okayama	4,972	90,643	41,117	18,228
Hiroshima	6,359	117,014	53,079	18,400
Yamaguchi	6,779	173,654	78,772	25,614

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeshyo, 1939.

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Table 14. (continued)

Prefecture	White Radish			
	Acreage	Production		Per Acre
	Acres	1,000 lbs.	Metric tons	Pounds
Tokushima	4,539	119,507	54,210	26,326
Kagawa	2,916	49,779	22,580	17,070
Ehime	4,747	87,691	39,778	18,469
Kochi	2,621	44,291	20,091	16,895
Fukuoka	6,979	138,594	62,868	19,858
Saga	2,517	46,724	21,195	18,560
Nagasaki	5,915	105,997	48,082	17,918
Kumamoto	6,583	93,067	42,216	14,135
Oita	4,479	72,229	32,764	16,124
Miyazaki	7,349	199,650	90,564	27,164
Kagoshima	10,991	173,343	78,631	15,771
Okinawa	1,378	20,521	9,309	14,882
Total	268,119	5,475,705	2,483,851	20,422 (Av.)

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Table 15.

TURNIPS, CARROTS, AND TARO: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939

Prefecture	Turnips		Carrots		Taro	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	1,264	16,859	5,447	64,829	25	172
Aomori	1,030	13,768	1,073	10,831	370	2,849
Iwate	920	10,145	793	7,554	761	6,903
Miyagi	239	2,561	618	5,268	1,492	12,187
Akita	667	6,194	414	3,397	983	7,156
Yamagata	996	9,930	457	3,643	988	8,905
Fukushima	583	5,358	1,167	9,830	3,497	31,971
Ibaraki	181	2,013	1,198	12,477	5,794	75,028
Tochigi	69	867	962	9,430	8,806	106,945
Gumma	85	1,006	913	9,317	5,030	59,587
Saitama	490	8,067	2,006	23,003	5,866	58,029
Chiba	937	11,007	1,247	11,007	10,214	96,079
Tokyo	1,132	19,484	518	5,804	3,512	33,520
Kanagawa	499	7,472	658	8,013	4,149	49,084
Niigata	1,112	10,412	823	6,388	4,647	30,068
Toyama	497	7,747	251	2,053	1,658	19,818
Ishikawa	223	2,197	286	1,894	492	4,167
Fukui	285	3,128	153	1,127	1,188	14,611
Yamanashi	68	418	550	4,438	1,141	14,564
Nagano	308	3,607	933	9,438	657	8,335
Gifu	1,147	14,425	480	4,220	4,228	43,141
Shizuoka	293	7,618	1,441	17,359	5,179	62,643
Aichi	773	10,714	1,148	16,726	4,049	48,574
Miye	436	5,570	312	2,469	2,648	27,127
Shiga	1,074	18,383	226	2,443	1,025	13,482
Kyoto	578	8,719	269	3,302	1,069	13,235
Osaka	344	6,080	281	6,152	1,389	21,195
Hyogo	661	8,106	305	3,808	1,812	18,068
Nara	129	1,745	107	1,151	1,291	20,090
Wakayama	131	1,763	112	1,518	1,210	11,207
Tottori	294	3,186	85	707	842	5,140
Shimane	701	6,505	177	844	801	1,979
Okayama	333	3,962	218	2,079	1,102	7,934
Hiroshima	545	6,326	602	5,370	1,534	10,497
Yamaguchi	770	12,366	459	4,246	1,142	9,567

1/ Office of Foreign Agricultural Relations. Norinsho Tokaishyo, 1939.

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Table 15. (continued)

Prefecture	Turnips		Carrots		Taro	
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	355	3,791	175	1,381	2,598	27,406
Kagawa	387	5,039	117	1,138	1,535	11,330
Ehime	570	6,241	355	3,053	2,869	27,251
Kochi	672	9,715	179	1,580	1,944	20,832
Fukuoka	875	10,557	513	4,621	4,009	38,953
Saga	221	1,948	118	1,163	1,775	15,307
Nagasaki	424	4,792	571	5,995	1,864	13,990
Kumamoto	460	4,342	678	5,349	5,371	44,605
Oita	276	2,946	246	2,197	3,233	33,633
Miyazaki	391	5,470	382	4,356	3,613	43,515
Kagoshima	476	4,540	797	8,114	5,801	60,743
Okinawa	51	484	277	3,787	330	4,058
Total	24,952	317,573	31,097	324,869	125,533	1,295,480

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Table 16.

ONIONS: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Green Onions		Mixed Onions	
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	2,495	19,233	5,257	81,586
Aomori	1,114	9,349	6	46
Iwate	786	5,899	158	1,771
Miyagi	1,229	10,138	529	6,204
Akita	1,204	10,825	53	428
Yamagata	1,088	10,403	30	327
Fukushima	1,821	14,478	294	2,469
Ibaraki	1,804	19,731	163	1,855
Tochigi	1,599	16,271	117	1,194
Gunma	2,033	25,573	105	1,146
Saitama	3,650	60,764	125	1,059
Chiba	4,413	48,854	532	6,529
Tokyo	1,582	17,825	60	685
Kanagawa	1,350	20,749	761	13,273
Niigata	1,907	14,451	85	606
Toyama	494	6,372	90	1,120
Ishikawa	435	3,805	197	2,307
Fukui	310	2,481	55	667
Yamanashi	693	6,992	135	1,350
Nagano	1,404	14,295	121	1,352
Gifu	876	8,151	243	1,964
Shizuoka	1,294	22,763	934	18,670
Aichi	1,970	25,667	958	21,055
Miye	725	6,853	382	4,558
Shiga	580	9,774	200	2,817
Kyoto	842	15,321	206	2,202
Osaka	805	15,498	6,413	152,802
Hyogo	866	11,127	2,009	51,585
Nara	227	2,632	203	3,035
Wakayama	121	1,138	535	10,460
Totteri	381	4,593	210	2,877
Shimane	426	2,396	301	2,388
Okayama	590	5,598	433	4,902
Hiroshima	1,136	18,012	644	9,061
Yamaguchi	777	10,508	693	8,808

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokaihyo, 1939.

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Table 16. (continued)

Prefecture	Green Onions		Mixed Onions	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	378	3,411	252	2,671
Kagawa	174	1,769	259	3,887
Ehime	454	3,637	1,110	19,924
Kochi	335	3,075	214	2,264
Fukuoka	953	10,487	1,165	14,887
Saga	286	2,714	464	5,111
Nagasaki	447	3,567	857	9,511
Kumamoto	518	4,966	719	7,709
Oita	635	6,368	618	7,069
Miyazaki	444	3,533	285	2,876
Kagoshima	1,158	9,595	679	7,612
Okinawa	181	1,650	9	90
Total	49,090	553,291	29,868	506,769

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Table 17.

CABBAGE AND RAPE: ACREAGE AND PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Cabbage		Rape Cabbage	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	6,010	97,775	5,749	68,673
Aomori	1,576	20,427	2,895	37,594
Iwate	2,464	63,359	2,297	36,277
Miyagi	480	6,608	5,900	91,267
Akita	1,206	13,808	1,756	16,719
Yamagata	654	6,941	3,632	48,489
Fukushima	874	10,997	5,227	69,316
Ibaraki	255	3,814	5,138	87,922
Tochigi	283	4,041	4,838	75,433
Gunma	512	9,636	5,080	81,007
Saitama	708	12,851	5,501	83,412
Chiba	441	5,712	3,768	51,553
Tokyo	967	19,272	3,393	51,382
Kanagawa	442	10,615	1,456	23,587
Niigata	743	6,897	5,037	52,555
Toyama	174	2,764	1,023	17,496
Ishikawa	125	1,385	780	7,616
Fukui	114	1,649	550	5,328
Yamanashi	278	4,911	2,188	32,218
Nagano	1,380	24,541	5,614	101,617
Gifu	234	2,766	1,175	12,294
Shizuoka	1,207	23,188	2,271	38,722
Aichi	767	15,762	2,576	35,006
Miye	186	2,682	1,023	11,868
Shiga	151	2,257	680	9,289
Kyoto	340	6,337	2,083	44,686
Osaka	873	18,959	795	13,185
Hyogo	317	4,662	2,085	29,650
Nara	76	1,302	701	11,623
Wakayama	56	730	274	2,953
Tottori	173	2,309	545	6,714
Shimane	197	1,698	1,133	8,918
Okayama	214	3,050	1,949	27,246
Hiroshima	513	10,319	3,991	66,427
Yamaguchi	375	5,176	3,014	49,499

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 17. (continued)

Prefecture	Cabbage		Rape Cabbage	
	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	188	4,138	528	6,262
Kagawa	102	1,833	422	4,726
Ehime	285	4,194	1,170	14,740
Kochi	141	1,748	698	8,027
Fukuoka	628	9,518	3,226	54,995
Saga	137	1,630	1,177	14,473
Nagasaki	461	5,565	3,581	45,031
Kumamoto	242	3,038	2,914	31,798
Oita	417	4,493	1,920	21,560
Miyazaki	331	4,771	1,122	15,128
Kagoshima	1,202	18,180	3,004	40,779
Okinawa	653	14,447	192	1,915
Total	30,152	502,755	116,071	1,666,975

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Table 18.

LILIES, BURDOCK, AND LOTUS ROOTS: ACREAGE AND PRODUCTION IN JAPAN
BY PREFECTURES, 1939 ^{1/}

Prefecture	Lilies		Burdock		Lotus Roots	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Hokkaido	10	1,215	2,450	24,588	3	14
Aomori	4	973	901	9,056	3	21
Iwate	1	110	679	6,410	2	11
Miyagi	-	81	925	8,394	45	281
Akita	10	872	979	8,163	16	12
Yamagata	5	563	967	9,425	4	9
Fukushima	9	795	1,547	14,611	31	235
Ibaraki	12	849	2,066	25,461	230	2,555
Tochigi	52	3,075	1,197	12,865	5	38
Gunma	63	9,452	1,339	15,266	40	187
Saitama	238	28,595	4,172	47,002	394	3,757
Chiba	90	18,783	1,512	16,526	726	8,247
Tokyo	101	11,029	1,559	22,615	678	11,343
Kanagawa	54	6,295	776	11,123	251	3,594
Niigata	55	22,102	1,540	12,532	439	3,259
Toyama	2	234	311	2,983	42	391
Ishikawa	6	685	324	2,455	218	2,984
Fukui	1	93	241	2,203	18	260
Yamanashi	17	4,100	631	5,992	43	570
Nagano	40	2,810	1,440	18,926	111	1,033
Gifu	11	576	718	6,532	211	2,390
Shizuoka	31	4,991	1,115	11,932	229	2,207
Aichi	13	2,757	1,132	15,139	1,071	15,111
Miye	2	246	424	3,906	46	410
Shiga	5	496	456	5,590	3	26
Kyoto	2	762	493	4,709	34	411
Osaka	12	4,724	164	1,682	615	9,005
Hyogo	6	2,281	485	4,117	166	2,238
Nara	20	5,732	281	3,419	-	10
Wakayama	-	133	163	1,566	37	436
Tottori	3	204	282	2,159	2	34
Shimane	-	27	594	3,445	54	381
Okayama	2	414	793	6,515	318	4,288
Hiroshima	10	3,328	1,095	10,239	572	7,120
Yamaguchi	28	3,125	701	6,563	508	5,004

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 18. (continued)

Prefecture	Lilies		Burdock		Lotus Roots	
	Acreage	Production	Acreage	Production	Acreage	Production
	Acres	1,000 lbs.	Acres	1,000 lbs.	Acres	1,000 lbs.
Tokushima	11	2,777	873	8,240	94	1,130
Kagawa	-	144	170	1,497	110	760
Ehime	12	1,772	937	8,932	196	3,552
Kochi	8	1,159	233	2,039	3	40
Fukuoka	4	761	1,473	14,666	805	9,219
Saga	325	56,508	622	5,354	321	2,174
Nagasaki	910	137,891	695	6,729	332	4,546
Kumamoto	57	6,664	1,549	15,674	132	1,320
Oita	7	828	742	7,609	98	942
Miyazaki	-	28	534	6,237	24	186
Kagoshima	469	70,958	877	10,075	8	78
Okinawa	84	21,812	152	2,318	-	4
Total	2,802	443,809	43,309	453,479	9,288	111,823

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Table 19.

PLUMS, CHERRIES, PEACHES, AND APPLES: PRODUCTION IN JAPAN
BY PREFECTURES, 1939 ^{1/}

Prefecture	Production			
	Plums	Cherries	Peaches	Apples
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
Hokkaido	676	758	387	47,307
Aomori	1,208	1,058	2,128	365,454
Iwate	1,033	200	2,201	7,903
Miyagi	1,596	56	1,108	210
Akita	1,102	652	1,385	8,454
Yamagata	707	3,445	4,140	1,197
Fukushima	2,666	2,590	6,476	4,264
Ibaraki	3,113	3	922	31
Tochigi	1,897	-	770	8
Gunma	2,736	14	1,654	25
Saitama	3,594	-	1,174	-
Chiba	3,969	3	3,787	6
Tokyo	966	-	286	-
Kanagawa	2,469	-	9,215	1
Niigata	1,617	451	4,250	171
Toyama	644	1	2,175	417
Ishikawa	1,531	1	1,268	1,190
Fukui	869	1	2,492	18
Yamanashi	1,149	885	1,366	270
Nagano	2,264	565	2,539	23,224
Gifu	1,976	19	401	37
Shizuoka	7,284	1	2,436	5
Aichi	3,674	-	6,230	169
Miye	2,344	-	628	-
Shiga	1,110	1	225	3
Kyoto	1,012	-	2,125	35
Osaka	753	1	2,445	1
Hyogo	1,165	-	2,152	20
Nara	1,597	-	3,041	7
Wakayama	17,280	1	2,099	32
Tottori	549	4	652	6
Shimane	794	-	484	8
Okayama	1,095	7	7,263	384
Hiroshima	1,875	7	4,959	17
Yamaguchi	1,685	5	479	4

^{1/} Office of Foreign Agricultural Relations. Morinsho Tokeihyo, 1939.

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Table 19. (continued)

Prefecture	Production			
	Plums	Cherries	Peaches	Apples
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
Tokushima	1,846	-	583	8
Kagawa	987	24	1,863	1,405
Ehime	2,300	2	3,952	97
Kochi	1,000	3	595	3
Fukuoka	2,956	10	5,069	60
Saga	1,767	-	338	1
Nagasaki	1,782	1	819	1
Kumamoto	2,390	1	692	10
Oita	1,729	2	843	8
Miyazaki	2,713	-	495	-
Kagoshima	3,936	5	1,700	-
Okinawa	-	-	36	-
Total	103,405	10,777	102,327	462,471

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Table 20.

PEARS AND JAPANESE PEARS: PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Production			
	Pears		Japanese Pears	
	1,000 lbs.	Metric tons	1,000 lbs.	Metric tons
Hokkaido	1,419	644	2,434	1,104
Aomori	635	288	2,122	963
Iwate	574	260	3,321	1,507
Miyagi	65	30	6,676	3,029
Akita	814	370	7,740	3,511
Yamagata	3,223	1,462	3,899	1,769
Fukushima	267	122	23,771	10,783
Ibaraki	53	24	15,284	6,933
Tochigi	9	4	4,530	2,055
Gumma	69	32	6,383	2,896
Saitama	24	11	12,550	5,693
Chiba	48	22	12,132	5,504
Tokyo	55	25	5,847	2,652
Kanagawa	37	17	19,139	8,682
Niigata	272	123	35,247	15,989
Toyama	30	14	4,254	1,930
Ishikawa	15	7	4,504	2,043
Fukui	12	6	1,384	628
Yamanashi	51	23	602	274
Nagano	925	420	6,304	2,860
Gifu	43	20	4,330	1,934
Shizuoka	124	56	38,673	17,543
Aichi	91	41	7,354	3,336
Miye	65	30	3,585	1,627
Shiga	33	15	2,107	956
Kyoto	18	8	5,963	2,705
Osaka	10	5	8,599	3,901
Hyogo	97	44	2,698	1,224
Nara	102	47	7,932	3,598
Wakayama	34	16	2,163	981
Tottori	238	108	12,837	5,823
Shimane	29	13	2,294	1,041
Okayama	323	147	9,823	4,456
Hiroshima	44	20	1,905	864
Yamaguchi	32	15	1,579	716

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 20. (continued)

Prefecture	Production			
	Pears		Japanese Pears	
	1,000 lbs.	Metric tons	1,000 lbs.	Metric tons
Tokushima	11	5	12,138	5,506
Kagawa	23	11	1,697	770
Ehime	31	14	18,857	8,554
Kochi	5	2	3,067	1,391
Fukuoka	67	31	12,879	5,842
Saga	-	-	2,162	981
Nagasaki	37	17	3,979	1,805
Kumamoto	19	9	10,780	4,890
Oita	117	53	3,788	1,719
Miyazaki	7	3	2,949	1,338
Kagoshima	1	1	2,647	1,201
Okinawa	-	-	-	-
Total	10,198	4,635	364,908	165,535

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Table 21.

PERSIMMONS, LOQUATS AND GRAPES: PRODUCTION IN JAPAN
BY PREFECTURES, 1939 ^{1/}

Prefecture	Production		
	Persimmons	Loquats	Grapes
	1,000 lbs.	1,000 lbs.	1,000 lbs.
Hokkaido	-	-	5,502
Aomori	5,801	-	1,742
Iwate	7,546	9	1,411
Miyagi	12,830	19	2,324
Akita	5,079	-	4,236
Yamagata	16,449	-	6,249
Fukushima	46,027	31	2,682
Ibaraki	6,659	159	1,206
Tochigi	3,653	9	825
Gumma	6,888	29	621
Saitama	8,317	208	646
Chiba	7,984	1,790	876
Tokyo	3,221	39	229
Kanagawa	6,609	128	937
Niigata	22,243	41	4,422
Toyama	13,583	30	277
Ishikawa	12,888	53	2,516
Fukui	8,761	83	519
Yamanashi	9,395	9	21,005
Nagano	38,084	3	5,992
Gifu	24,317	109	1,734
Shizuoka	14,733	1,289	1,242
Aichi	11,652	1,587	2,071
Miye	9,011	386	225
Shiga	7,342	154	428
Kyoto	12,455	46	1,591
Osaka	7,193	502	19,118
Hyogo	14,490	2,217	2,024
Nara	15,727	61	3,621
Wakayama	21,189	1,066	1,576
Tottori	7,876	88	1,233
Shimane	5,163	212	568
Okayama	22,653	741	11,646
Hiroshima	24,147	2,211	5,009
Yamaguchi	11,362	432	401

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Table 21. (continued)

Prefecture	Production		
	Persimmons	Loquats	Grapes
	1,000 lbs.	1,000 lbs.	1,000 lbs.
Tokushima	8,245	985	407
Kagawa	6,598	825	1,114
Ehime	18,206	6,267	1,684
Kochi	6,871	1,004	147
Fukuoka	19,968	1,858	6,586
Saga	13,532	1,398	470
Nagasaki	8,962	9,921	194
Kumamoto	15,738	1,289	1,347
Oita	16,287	1,002	1,207
Miyazaki	10,111	273	179
Kagoshima	10,303	4,515	228
Okinawa	4	10	-
Total	586,152	43,008	130,267

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Table 22.

ORANGES, GRAPE FRUIT, AND OTHER CITRUS FRUITS: PRODUCTION IN JAPAN
BY PREFECTURES, 1939 ^{1/}

Prefecture	Production			
	Japanese Oranges	Naval Oranges	Grape Fruit	Other Citrus Fruits
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
Hokkaido	-	-	-	-
Aomori	-	-	-	-
Iwate	-	-	-	1
Miyagi	-	-	-	34
Akita	-	-	-	-
Yamagata	-	-	-	-
Fukushima	5	-	4	31
Ibaraki	793	8	51	165
Tochigi	15	-	-	94
Gunma	38	-	4	98
Saitama	223	3	19	380
Chiba	4,011	158	2,028	190
Tokyo	48	-	11	38
Kanagawa	71,811	317	258	94
Niigata	11	-	-	20
Toyama	2	-	-	23
Ishikawa	30	-	1	33
Fukui	417	47	130	49
Yamanashi	7	-	3	160
Nagano	-	-	-	13
Gifu	4,206	17	11	52
Shizuoka	222,721	3,185	16,188	2,541
Aichi	18,520	467	2,520	132
Miye	17,404	759	6,051	479
Shiga	105	3	196	78
Kyoto	1,150	38	305	115
Osaka	53,850	202	2,079	72
Hyogo	2,893	341	4,146	1,225
Nara	6,636	230	453	222
Wakayama	210,984	14,228	29,043	11,841
Tottori	326	65	134	49
Shimane	880	188	1,017	310
Okayama	1,512	345	621	231
Hiroshima	41,265	6,560	5,831	1,818
Yamaguchi	31,058	1,488	22,818	1,270

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 22. (continued)

Prefecture	Production			
	Japanese Oranges 1,000 lbs.	Naval Oranges 1,000 lbs.	Grape Fruit 1,000 lbs.	Other Citrus Fruits 1,000 lbs.
Tokushima	32,649	801	3,008	3,257
Kagawa	11,403	792	1,761	718
Ehime	100,508	5,269	32,535	2,990
Kochi	8,991	619	1,262	1,742
Fukuoka	20,031	1,489	5,890	4,821
Saga	14,432	737	2,332	962
Nagasaki	15,864	390	4,491	1,181
Kumamoto	30,139	1,504	1,943	2,218
Oita	47,270	1,642	5,482	1,408
Miyazaki	12,365	260	1,069	1,534
Kagoshima	36,973	920	3,949	5,490
Okinawa	1	-	8	3,167
Total	1,021,547	43,072	157,652	51,346

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Table 23.

CATTLE: NUMBER IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Oxen	Cows	Total
	Number	Number	Number
Hokkaido	5,887	78,103	83,990
Aomori	6,927	11,903	18,830
Iwate	8,075	16,559	24,634
Miyagi	4,829	14,444	19,273
Akita	1,863	7,269	9,132
Yamagata	7,546	20,080	27,626
Fukushima	4,193	13,640	17,833
Ibaraki	9,359	33,573	42,932
Tochigi	3,053	9,053	12,106
Gumma	9,553	12,302	21,855
Saitama	4,747	16,882	21,629
Chiba	4,597	51,098	55,695
Tokyo	1,800	13,779	15,579
Kanagawa	2,826	16,119	18,945
Niigata	7,190	35,541	42,731
Toyama	972	2,383	3,355
Ishikawa	2,398	10,993	13,391
Fukui	1,127	5,452	6,579
Yamanashi	1,273	2,935	4,208
Nagano	6,428	15,232	21,660
Gifu	9,115	13,424	22,539
Shizuoka	7,859	19,393	27,252
Aichi	7,172	19,537	26,709
Miye	7,972	36,147	44,119
Shiga	3,444	19,843	23,287
Kyoto	9,067	25,876	34,943
Osaka	1,912	30,407	32,319
Hyogo	15,773	92,165	107,938
Nara	3,839	18,045	21,884
Wakayama	6,527	26,252	32,779
Tottori	7,957	39,612	47,569
Shimane	18,916	49,314	68,230
Okayama	23,444	78,922	102,366
Hiroshima	25,071	81,412	106,483

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 23. (continued)

Prefecture	Oxen	Cows	Total
	Number	Number	Number
Yamaguchi	20,125	48,320	68,445
Tokushima	18,003	27,616	45,619
Kagawa	2,395	37,370	39,765
Ehime	36,212	26,749	62,961
Kochi	8,863	24,844	33,707
Fukuoka	18,835	40,994	59,829
Saga	9,399	18,130	27,529
Nagasaki	22,265	53,114	75,379
Kumamoto	17,879	58,568	76,447
Oita	16,399	66,142	82,541
Miyazaki	10,472	40,399	50,871
Kagoshima	34,750	96,375	131,125
Okinawa	11,972	18,517	30,489
Totals	470,280	1,494,827	1,965,107

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Table 24.

OTHER FARM ANIMALS: NUMBER OF SHEEP, GOATS, PIGS, AND RABBITS
IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Sheep	Goats	Pigs	Rabbits
	Number	Number	Number	Number
Hokkaido	15,625	1,817	51,763	486,402
Aomori	1,638	1,059	20,052	89,205
Iwate	8,348	5,581	24,787	204,154
Miyagi	8,004	5,658	29,722	250,338
Akita	3,219	1,326	13,051	160,395
Yamagata	10,002	7,952	12,286	147,643
Fukushima	28,528	5,360	31,089	484,303
Ibaraki	283	4,766	49,590	347,527
Tochigi	3,007	1,143	19,990	133,547
Gumma	4,241	11,728	25,102	208,020
Saitama	1,794	4,589	36,022	233,897
Chiba	299	3,985	46,168	245,363
Tokyo	605	1,506	37,957	79,711
Kanagawa	1,091	5,259	45,077	82,587
Niigata	2,044	4,261	29,252	243,896
Toyama	437	588	7,640	19,914
Ishikawa	58	479	12,512	19,299
Fukui	19	353	4,369	6,910
Yamanashi	1,495	3,763	9,299	92,069
Nagano	6,460	28,433	35,951	649,673
Gifu	1,906	4,545	18,913	159,313
Shizuoka	481	2,370	54,740	273,673
Aichi	1,187	5,769	56,270	257,320
Miye	949	752	17,513	92,657
Shiga	101	462	9,280	57,888
Kyoto	844	667	7,756	49,194
Osaka	7	193	14,156	50,288
Hyogo	553	1,694	18,942	117,217
Nara	556	222	2,800	40,628
Wakayama	119	200	5,186	57,971
Tottori	520	572	4,562	78,565
Shimane	537	1,613	6,262	108,235
Okayama	595	2,540	8,506	211,628
Hiroshima	1,185	2,232	12,917	129,282
Yamaguchi	97	1,802	2,711	34,403

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 24. (continued)

Prefecture	Sheep	Goats	Pigs	Rabbits
	Number	Number	Number	Number
Tokushima	180	567	6,836	70,048
Kagawa	1,026	1,714	14,227	122,265
Ehime	344	1,838	11,577	63,126
Kochi	667	6,886	6,694	45,422
Fukuoka	871	2,846	7,731	57,411
Saga	235	1,989	2,712	27,691
Nagasaki	571	6,077	9,691	38,504
Kumamoto	1,782	961	8,898	97,184
Oita	819	840	7,636	48,898
Miyazaki	1,272	1,462	12,959	60,242
Kagoshima	874	18,078	63,330	62,960
Okinawa	32,527	118,205	133,978	7,352
Totals	148,002	286,702	1,068,462	6,604,218

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Table 25.

POULTRY AND EGG PRODUCTION IN JAPAN BY PREFECTURE, 1939 ^{1/}

Prefectures	Chickens	Egg Production
	Number	1,000
Hokkaido	1,929,694	93,279
Aomori	459,761	15,179
Iwate	483,272	26,006
Miyagi	772,436	45,003
Akita	681,327	24,653
Yamagata	326,605	21,905
Fukushima	976,441	63,866
Ibaraki	1,609,103	130,892
Tochigi	724,702	58,297
Gunma	526,154	45,280
Saitama	1,231,646	89,106
Chiba	2,260,779	178,932
Tokyo	1,031,782	73,524
Kanagawa	621,266	47,120
Niigata	983,550	65,464
Toyama	349,751	28,454
Ishikawa	295,083	20,497
Fukui	249,989	21,901
Yamanashi	455,717	34,825
Nagano	1,109,881	77,266
Gifu	987,630	74,437
Shizuoka	2,183,339	190,294
Aichi	6,972,964	583,195
Miye	1,549,533	121,926
Shiga	607,750	42,664
Kyoto	781,312	52,005
Osaka	1,147,160	72,385
Hyogo	1,655,274	112,557
Nara	727,680	29,506
Wakayama	599,595	43,711
Tottori	210,330	15,602
Shimane	387,405	29,016
Okayama	1,157,652	81,395
Hiroshima	1,246,801	93,602
Yamaguchi	787,269	74,181

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 25.(continued)

Prefectures	Chickens	Egg Production
	Number	1,000
Tokushima	453,397	31,354
Kagawa	1,534,150	127,818
Ehime	838,316	60,581
Kochi	534,758	38,256
Fukuoka	2,150,622	116,288
Saga	615,272	35,663
Nagasaki	780,083	38,822
Kumamoto	925,725	50,340
Oita	754,415	49,285
Miyazaki	933,668	49,067
Kagoshima	2,144,663	99,454
Okinawa	243,644	5,828
Totals	49,989,346	3,480,609

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Table 26

CHARCOAL: PRODUCTION IN JAPAN BY PREFECTURES, 1939 ^{1/}

Prefecture	Production	
	1,000 lbs.	Metric tons
Hokkaido	373,299	169,333
Aomori	125,079	56,738
Iwate	377,399	171,192
Miyagi	122,366	55,507
Akita	121,044	54,907
Yamagata	126,329	57,305
Fukushima	325,466	147,635
Ibaraki	102,718	46,594
Tochigi	163,313	74,081
Gunma	125,063	56,730
Saitama	41,350	18,757
Chiba	72,597	32,931
Tokyo	31,452	14,267
Kanagawa	26,305	11,932
Niigata	143,027	64,879
Toyama	45,843	20,795
Ishikawa	73,973	33,555
Fukui	83,370	37,818
Yamanashi	81,664	37,044
Nagano	192,955	87,527
Gifu	158,615	71,950
Shizuoka	134,861	61,175
Aichi	54,671	24,799
Miye	101,424	46,007
Shiga	35,878	16,275
Kyoto	69,182	31,382
Osaka	10,201	4,627
Hyogo	115,424	52,358
Nara	35,198	15,966
Wakayama	73,584	33,379
Tottori	51,331	23,284
Shimane	170,978	77,558
Okayama	149,118	67,642
Hiroshima	141,152	64,028
Yamaguchi	101,554	46,066

^{1/} Office of Foreign Agricultural Relations. Norinsho Tokeihyo, 1939.

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Table 26. (Cont'd.)

<u>Prefecture</u>	<u>Production</u>	
	<u>1,000 lbs.</u>	<u>Metric tons</u>
Tokushima	83,010	37,654
Kagawa	20,735	9,406
Emine	89,320	40,517
Kochi	216,727	98,310
Fukuoka	49,095	22,270
Saga	25,774	11,692
Nagasaki	70,356	31,914
Kumamoto	89,960	40,807
Oita	106,131	48,143
Miyazaki	150,745	68,380
Kagoshima	169,386	76,835
Okinawa	8,797	3,991
Total	5,237,819	2,375,942

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APPENDIX F

Foodstuffs

<u>Table No.</u>	<u>Description</u>	<u>Page</u>
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3.	Fuel Ratio of Some Important Foodstuffs in Japan	233
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5.	Estimation of Non-food Uses of Japanese Agricultural products on a Wartime Basis.	236

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Table 1.

PROXIMATE COMPOSITION OF ASIATIC FOODS. ^{1/}
(Per 100 Grams)

I. <u>STARCHY FOODS</u>	Calories	Protein	Fat	Carbo- hydrates	Rice Equi- valence
	<u>Number</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>1/</u>
A. CEREALS					
Barley, pearled	357	8.7	1.0	78.3	1.0
Barley, whole	361	12.8	2.1	72.8	1.0
Buckwheat, lightly milled (<u>Fagopyrum esculentum</u> Moench)	354	6.3	1.1	79.7	1.0
Flour, wheat - 70% extraction	351	10.0	1.0	75.5	1.0
85% extraction	346	11.0	1.6	72.0	1.0
100% extraction	316	11.5	2.4	62.0	1.0
Maize (Corn) (<u>Zea mays</u> Linn.)	349	10.0	4.5	67.0	1.0
Millets, average	340-365	10.0-11.0	4.0-5.0	65.0-69.0	1.0
Rice, brown	356	7.5	1.7	77.7	1.0
Rice, flour	352	7.4	0.5	79.5	1.0
Rice, polished (<u>Oryza sativa</u> Linn.)	351	7.6	0.3	79.4	1.0
Rice, polishings	393	11.6	10.1	64.0	1.0
Sorghum (kaoliang)	356	10.4	3.4	70.9	1.0
B. ROOT VEGETABLES					
Cassava (manioc) flour	314	1.5	0	77.0	1.0
Fresh	131	0.7	0	32.0	0.5
Tapioca	346	0.5	0	86.0	1.0
Potato, Irish (<u>Solanum Tube- rosum</u>)	83	2.0	0	18.1	0.25
Potato, sweet (<u>Ipomoea bata- tas</u> (Linn.) Lam.)	121	2.0	1	26.0	0.3
Sago, flour	341	0.3	0	85.0	1.0
Taro (<u>Colocasia</u> and <u>Alocasia</u> spp.)	88	2.0	0	20.0	0.25
Yam (<u>Dioscorea</u> spp.)	100	2.0	0	23.0	0.3

^{1/} Equivalence based on caloric value.

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Table 1. (Cont'd)

II. SOYBEANS AND OTHER PROTEIN VEGETABLES	Calories	Protein	Fat	Carbo- hydrates	Soybean Equival- ence ^{1/}
	Number	Percent	Percent	Percent	
A. SOYBEANS and PRODUCTS					
(<u>Glycine max</u> (Linn.) merr.) dry	350	34.9	18.1	12.0	1.0
" fresh	132	12.5	6.5	6.0	0.3
Soybean curd	81	7.5	4.2	3.4	0.2
Soybean milk	35	3.4	1.5	2.0	0.1
Soybean meal (press cake)	278	41.8	5.7	15.0	1.2
Soybean sprouts	75	8.5	1.8	6.3	0.2
Soy sauce	53	2.0	1.0	9.0	--
B. OTHER PULSES					
Broadbeans (<u>Vicia faba</u> Linn.)	347	25.1	1.8	57.7	0.7
Butter beans		Same as Lima bean			
Chick peas (<u>Cicer Ariatinum</u> (Linn.))	369	20.8	4.7	60.9	0.6
Cowpeas (<u>Vigna unguiculata</u> (Linn.) Walp), fresh	134	9.4	0.6	22.7	0.3
" , dry	351	22.9	1.4	61.6	0.6
Curry bean		Same as Lima bean			
Horse bean (<u>Vicia faba</u> Linn.)		Same as Broad bean			
Groundnut (peanut, monkey nut) (<u>Arachis hypogaea</u> Linn.)	555	23.0	47.0	10.0	0.7
Lima bean (<u>Phaseolus lunata</u> Linn.)	341	20.7	1.3	61.6	0.6
Madagascar bean		Same as Lima bean			
Mung bean (<u>Phaseolus munge</u> Linn.)	349	24.4	1.4	59.7	0.7
Navy bean (<u>Phaseolus vulgaris</u> Linn.)	350	22.0	1.5	62.1	0.6
Pea beans (<u>Phaseolus vulgaris</u> Linn.)		Same as Navy bean			
Pinto bean		Same as Navy bean			
Red kidney bean		Same as Navy bean			

^{1/} Equivalence based on protein content.

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Table 1. (Cont'd)

III. FISH, MEAT AND EGGS	Calories	Protein	Fat	Carbo- hydrates	Fish, Dried Equivalence ^{1/}
	Number	Percent	Percent	Percent	
A. FISH					
Fish, canned (representa- tive of sardine, mackerel, tuna and salmon)	207	22.5	12.8	0.3	0.3
Fish, dried, Cod	352	81.8	2.8	0	1.0
Fish, fresh, high fat ^{2/}	85	12	4.1	0	0.2
Fish, fresh, medium fat ^{3/}	46	8.5	1.3	0	0.1
Fish, fresh, lean fat ^{4/}	46	10.7	0.4	0	0.2
Fish, hard smoked, Herring type (34.6% water)	290	36.9	15.8	0	0.4
Fish, smoke dried, Mackerel type (59.4% water)	212	23.8	13.0	0	0.3
Lobster, fresh, whole, A.P.	30	5.8	.7	0.2	0.1
" , E.P.	84	16.2	1.9	0.5	0.2
Shrimp, cooked/canned, E.P.	82	17.8	.8	0.8	0.2
B. MEAT					
Meat, canned (Beef, canned, corned, med. fat) ^{5/}	209	25.3	12.0	0	0.3
Beef, fresh carcass, common grade, A.P. ^{5/}	163	15.2	11.0	0	0.2
Chicken, Fr., roasters, dressed, A.P. ^{5/}	119	12.3	7.7	0	0.2
Pork, carcass, medium, A.P. ^{5/}	398	10.5	40.0	0	0.2
Rabbit, fr., drawn, A.P. ^{5/}	81	13.0	3.0	0	0.2
C. EGGS					
Eggs, hen, dried	561	46.0	41.0	3.0	0.5
Eggs, hen, fresh	158	12.8	11.5	0.7	0.2
IV. MILK	Calories	Protein	Fat	Carbo- hydrates	Milk, Evapo- rated, Equi- valence ^{6/}
	Number	Percent	Percent	Percent	
Milk, cow, condensed	327	8.1	8.4	54.8	1.1
Milk, cow, dried skim	359	35.6	1.0	52.0	5.0
Milk, cow, dried whole	496	25.8	26.7	38.0	3.7
Milk, cow, evaporated	139	7.0	7.9	9.9	1.0
Milk, cow, fresh (3.9% fat)	69	3.5	3.9	5.0	0.5

^{1/} Equivalence based on protein content of dried cod.^{2/} Representative of Pacific mackerel, sardines, salmon, bonita and eel.^{3/} Representative of yellow-fin tuna, Pacific herring, mullet, carp, codfish, and shark.^{4/} Representative of flounder, sea trout and porgy.^{5/} Based on American products.^{6/} Equivalence based on protein content of evaporated milk.

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Table 1. (Cont'd)

V. SUGAR	Calories	Protein	Fat	Carbo- hydrates	Sugar Equivalence 1/
	Number	Percent	Percent	Percent	Percent
Sugar, white refined (cane or beet)	398	0	0	99.5	1.0
Sugar, brown	382	0	0	95.5	1.0
VI. FATS AND OILS	Calories	Protein	Fat	Carbo- hydrates	Fat Equivalence
	Number	Percent	Percent	Percent	Percent
Lard) Salad Oils) Vegetable Oils) Oleomargarine	900	0	100	0	1.0
	733	0.6	81	0.4	1.0
VII. VEGETABLES OTHER THAN ROOTS AND LEGUMES	Calories	Protein	Fat	Carbo- hydrates	Vegetable Equivalence 2/
	Number	Percent	Percent	Percent	Percent
Bamboo shoots	33	2.5	0.3	5.1	2.0
Burdock	106	3.0	0.1	23.4	7.0
Cabbage, Chinese (Oriental), all varieties	16	1.4	0.1	2.4	1.0
Cucumber (<i>Cucumis sativus</i> Linn.)	10	0.6	0	1.8	1.0
Eggplant (<i>Solanum melongena</i> Linn.)	20	1.0	0	4.0	1.0
Greens, average	21	1.5	0.3	3.0	1.0
Lotus root (<i>Nelumbo nucifera</i> Gaerth)	12	0.4	0	2.6	1.0
Okra (<i>Hibiscus esculentus</i> Linn.)	29	1.8	0	5.5	2.0
Onion, dry (<i>Allium cepa</i> Linn.)	37	1.0	0	8.2	2.0
Onion, green (<i>Allium fistulosum</i> Linn.)	33	1.8	0	6.5	2.0
Peppers (<i>Capsicum annum</i> Linn.) red or green	37	2.0	0.5	6.0	2.0
Radish (Daikon) (<i>Raphanus sativus</i> Linn.)	16	1.2	0	2.8	1.0
Water Chestnut (<i>Scirpus tuberosus</i> Roxb.)	54	0.8	0	12.7	3.0

1/ Equivalence based on caloric value.

2/ Equivalence based on caloric values of Chinese cabbage and radish (daikon).

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Table 1. (Cont'd)

VIII. FRUITS	Calories	Protein	Fat	Carbo- hydrates	Fruit Equivalence 1/
	Number	Percent	Percent	Percent	Percent
Banana (<i>Musa sapientum</i> Linn.)	103	1.0	0.3	24.0	1.6
Breadfruit (<i>Artocarpus com- munis</i> Forst.)	109	1.5	0.3	25.0	1.7
Custard Apple (<i>Annona reticu- lata</i> Linn.)	81	2.0	1.0	16.0	1.3
Mandarin orange, orange, and tangerine	43	0.8	0	10.0	0.7
Melons (<i>Cucumis melo</i> Linn.)	10	0.5	0	2.0	0.2
Peaches (<i>Prunus persica</i> Stokes)	42	0.5	0	10.0	.7
Persimmons, Japanese (kaki)	66	0.6	0.3	15.2	1.0
Plums, Japanese type	63	0.7	0.1	14.9	1.0
Pear, prickly (<i>Opuntia</i> spp.)	56	1.0	0	13.0	.9
Tamarind (<i>Tamarindus indica</i> Linn.)	277	3.5	1.0	63.5	4.4
Watermelon (<i>Citrullus vulgaris</i> Schrad)	26	1.0	0	6.0	0.4

1/ Equivalence based on caloric value of Japanese plum.

Note: Table prepared by Military Planning Division, Requirements branch,
Civilian Supply Section, Office of the Quartermaster General.Sources of data: National Research Council Tables of Food Composition, 1944
Human Nutrition Research Unit, 1944
Analysis of Far Eastern Foods, FEA, 1945.

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Table 2.

PROXIMATE COMPOSITION OF AMERICAN FOODS
(Per 100 Grams)

I. <u>STARCHY FOODS</u>	Calories	Protein	Fat	Carbo- hydrates	Rice Equiv- alence ^{1/}
	Number	Percent	Percent	Percent	
A. CEREALS AND CEREAL PRODUCTS					
Barley, pearl	357	8.2	1.0	78.8	1.0
Barley, whole	361	12.8	2.1	72.8	1.0
Biscuits, "C"	413	9.5	9.9	71.4	1.0
Corn, whole, yellow or white	365	9.1	3.7	73.9	1.0
Corn, degerminated, yellow	356	8.3	1.2	78.0	1.0
Cornmeal, degerminated, white	355	7.5	1.1	78.8	1.0
Cornstarch	352	0.5	0.2	87.0	1.0
Crackers	422	9.5	10.3	72.7	1.0
Cereals, prepared, assorted	359	7.9	0.7	80.3	1.0
Hominy	357	8.5	0.8	78.9	1.0
Macaroni and spaghetti	360	13.0	1.4	73.9	1.0
Noodles	385	14.3	5.0	70.6	1.0
Oatmeal	396	14.2	7.4	68.2	1.0
Rice, white, polished	351	7.6	0.3	79.4	1.0
Wheat, whole grain	360	13.0	2.0	72.4	1.0
Wheat flour, straights (72% extraction)	355	10.8	0.9	75.9	1.0
B. ROOT VEGETABLES					
Potatoes, sweet, dehydrated	373	5.1	0.9	86.1	1.0
Potatoes, sweet, fresh	125	1.8	0.7	27.9	0.4
Potatoes, white, dehydrated	363	7.1	0.7	82.0	1.0
Potatoes, white, fresh	85	2.0	0	19.1	0.24

^{1/} Equivalence based on caloric value of rice.

Table 2. (continued)

II. <u>SOYBEANS AND OTHER PROTEIN VEGETABLES</u>	Calories	Protein	Fat	Carbo- hydrates	Soybean Equivalence ^{1/}
	Number	Percent	Percent	Percent	
Beans, canned w/o pork	117	5.7	2.0	19.0	0.2
Beans, kidney, dry	350	22.0	1.5	62.1	0.6
Beans, Lima, dry	341	20.7	1.3	61.6	0.6
Beans, navy, dry	350	22.0	1.5	62.1	0.6
Beans, pinto, dry		Same as navy bean			
Beans, soy, dry	351	34.9	18.1	12.0	1.0
Peanut butter, canned	619	26.1	47.8	21.0	0.8
Peanuts, in shell, A.P.	432	19.4	31.8	17.0	0.6
" E.P. (kernel)	600	26.9	44.2	23.6	0.8
Peas, split, dry	354	24.5	1.0	61.7	0.7
Soup, navy bean, dehydrated	332	17.6	1.2	62.7	0.5
Soup, pea, dehydrated	336	20.4	1.2	60.8	0.5
Soya flour, flakes or grits, low or practically fat free (1% or less fat)	246	14.7	1.1	14.2	1.3
Soya flour, flakes or grits, low or medium fat (about 7% fat)	283	42.5	6.5	13.6	1.2
Soya flour, flakes or grits, full fat (about 22% fat)	375	35.9	20.6	11.4	1.02

^{1/} Equivalence based on protein content of soybeans.

Table 2. (continued)

III. <u>FISH, MEAT AND EGGS</u>	Calories	Protein	Fat	Carbo- hydrates	Fish, dried Equivalence
	Number	Percent	Percent	Percent	1/
A. FISH					
Fish, canned (representative of sardines, mackerel, tuna and salmon)	207	22.5	12.8	0.3	0.3
Fish, dried, cod	352	81.8	2.8	0	1.0
Fish, hard smoked, herring type (34.6% water)	290	36.9	15.8	0	0.4
Fish, salted, cod	122	29.0	0.7	0	0.4
Fish, smoke dried, mackerel type (59.4% water)	212	23.8	13.0	0	0.3
Salmon, all kinds, canned	169	20.6	9.1	0	0.3
Sardines, canned, in oil	313	20.5	25.4	0.5	0.3
Sardines, canned, in tomato sauce	167	20.7	8.7	1.4	0.3
B. MEATS					
Meat, canned, average (based on beef, corned, medium, canned)	232	24.4	15.0	0	0.3
Bacon, canned	704	7.9	74.0	1.6	0.1
Beef, fresh, roast, canned	217	25.0	13.0	0	0.3
Chili con carne, canned, w/o beans	198	10.2	14.1	6.4	0.1
Chicken, boned, canned	175	21.8	9.8	0	0.3
Hash, corned beef, canned	143	15.1	6.1	7.0	0.2
Hash, M & V, canned	122	10.0	5.0	9.3	0.1
Luncheon meat, canned	270	15.2	22.5	1.7	0.2
Meat and beans, canned	117	5.7	2.0	19.0	0.1
Sausage, pork, canned	282	11.0	26.4	0	0.1
Sausage, Vienna, canned	210	16.0	16.2	0	0.2
Stew, M & V, canned	127	11.6	5.5	7.8	0.1
C. EGGS					
Eggs, dried, whole	593	48.2	43.4	2.6	0.6
Eggs, fresh, whole	158	12.8	11.5	0.7	0.2

1/ Equivalence based on protein content of dried cod.

Table 2. (continued)

IV. <u>MILK AND PRODUCTS EXCEPT BUTTER</u>	Calories	Protein	Fat	Carbo- hydrates	Milk Evaporated Equivalence
	Number	Percent	Percent	Percent	1/
Milk, condensed, sweetened	327	8.1	8.4	54.8	1.2
Milk, evaporated, unsweetened	139	7.0	7.9	9.9	1.0
Milk, skim, powdered	359	35.6	1.0	52.0	5.1
Milk, whole, powdered	496	25.8	26.7	38.0	3.7
Milk, whole, fluid (3.9% fat)	69	3.5	3.9	4.9	0.5
Cheese, American processed, canned	382	21.9	31.8	2.0	3.1
V. <u>FATS AND OILS</u>					
	Calories	Protein	Fat	Carbo- hydrates	Fat Equivalence
	Number	Percent	Percent	Percent	
Butter, stabilized	562	5.2	56.7	7.7	1.0
Lard)					
Vegetable oil)	900	0	100.0	0	1.0
Salad oil)					
Oleomargarine	733	0.6	81.0	0.4	1.0
VI. <u>SUGAR, JAM, JELLY AND DESSERTS</u>					
	Calories	Protein	Fat	Carbo- hydrates	Sugar Equivalence
	Number	Percent	Percent	Percent	2/
Corn syrup	322	0	0	80.8	0.8
Dessert powder with gelatin or with starch	392	9.4	0	88.7	1.0
Jams and Marmalades	288	0.5	0.3	70.8	0.7
Jellies	261	0.2	0	65.0	0.7
Sugar, brown	382	0	0	95.5	1.0
Sugar, white, refined (cane or beet)	398	0	0	99.5	1.0

1/ Equivalence based on protein content of evaporated milk.

2/ Equivalence based on caloric value of refined white sugar.

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Table 2. (continued)

VII. <u>VEGETABLES OTHER THAN ROOTS AND LEGUMES</u>	Calories	Protein	Fat	Carbo- hydrates	Vegetable Equivalence <u>1/</u>
	<u>Number</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	
A. VEGETABLES, LEAFY, GREEN & YELLOW					
Asparagus, canned	21	1.6	0.3	3.0	0.5
Beans, string, canned	19	1.0	0	3.8	0.5
Cabbage, dehydrated	346	13.7	1.8	68.8	8.9
Carrots, canned	30	0.5	0.4	6.1	0.8
Carrots, dehydrated	361	4.0	1.4	83.1	9.0
Peas, green, canned	63	3.4	0.4	12.9	1.6
Spinach, canned	25	2.3	0.4	3.0	0.6
Sauerkraut, canned	20	1.1	0.2	3.4	0.5
B. VEGETABLES OTHER THAN LEAFY, GREEN AND YELLOW					
Beets, canned	39	1.0	0	8.7	1.0
Corn, canned	77	2.0	0.5	16.1	2.0
Onions, dehydrated	350	10.1	1.0	75.2	9.0
C. TOMATOES					
Tomatoes, canned	21	1.0	0.2	3.9	0.5
Catsup, tomato	110	2.0	0.4	24.5	2.8
Juice, tomato, canned	23	1.0	0.2	4.3	0.6
VIII. <u>FRUITS</u>					
	Calories	Protein	Fat	Carbo- hydrates	Fruit Equivalence <u>2/</u>
	<u>Number</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	
A. CITRUS FRUITS					
Juice, grapefruit	41	0.5	0.2	9.4	0.6
Grapefruit, segments, canned	81	0.6	0.2	18.1	1.1
B. FRUITS OTHER THAN CITRUS					
Apples, dehydrated	390	1.4	1.0	93.9	5.3
Apricots, evaporated	292	5.2	0.4	66.9	4.0
Cherries, sour, canned	86	0.6	0.1	20.8	1.2
Fruit cocktail, canned	78	trace	trace	19.0	1.0
Peaches, canned	75	0.4	0.1	18.2	1.0
Peaches, evaporated	295	3.0	0.6	69.4	4.0
Pears, canned	75	0.2	0.1	18.4	1.0
Pineapple, sliced, canned	87	0.4	0.1	21.1	1.2
Prunes, evaporated	299	2.3	0.6	71.0	4.0
Raisins, dried	298	2.3	0.5	71.2	4.0

1/ Equivalence based on calorie value of canned beets.

2/ Equivalence based on caloric value of canned peaches.

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Table 2. (continued)

IX. <u>OTHER FOODS</u>	Calories	Protein	Fat	Carbo- hydrates
	<u>Number</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Bouillon cubes	259	17.7	0	47.0
Cocoa	329	9.0	18.8	31.0
Pickles, sweet, relish	11	0.5	0.2	1.9
Soups, canned, average	36	2.1	1.0	4.6

Note: Table from Military Planning Division, Requirements Branch, Civilian Supply Section, Office of the Quartermaster General.

Source of Data: National Research Council.

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Table 3.

FUEL RATIO OF SOME IMPORTANT FOODSTUFFS IN JAPAN ^{1/} _{2/}

Kind of Food	Composition			Fuel ratio: Carbohydrate + (Fat x 2.25) Protein
	Protein	Fat	Carbo- hydrate	
Beef	20.0	4.0	nil	0.5
Bream	19.0	5.0	nil	0.6
Pork	21.0	6.0	nil	0.6
Tofu	6.5	3.2	1.0	1.3
Skipper	19.0	12.0	-	1.4
Soy bean	36.0	16.0	25.0	1.7
Radish leaves	1.5	-	3.0	2.0
Egg	13.0	16.0	-	2.1
Cheese	34.2	33.0	-	2.2
Azuki bean	20.0	0.5	56.0	2.9
Tunny	19.0	26.0	-	3.0
Pea-nut	32.0	45.8	16.0	3.7
Milk	3.0	3.0	6.0	4.3
Radish root	0.6	0.3	1.8	4.3
Carrot	1.1	-	5.0	4.5
Onion	1.0	-	5.0	5.0
Wheat	13.0	2.0	70.0	5.7
Barley	12.0	2.0	68.0	6.0
Fruit	1.0	-	6.0	6.0
Bread	9.0	1.0	56.0	6.5
Buckwheat	7.0	1.0	66.0	9.7
Roots	2.0	-	20.0	10.0
Rice (unpolished)	7.5	2.0	75.0	10.6
Rice (polished)	7.0	0.2	78.0	11.2
Potato	1.2	-	20.0	16.6
Sweet potato	1.0	-	28.0	28.0
Average for all				
Japanese food	88.5	17.7	511.1	6.2
Voit's standard	118.0	56.0	500.0	5.3

^{1/} Grey, E. C. The Food of Japan. Health Organization, League of Nations, Geneva, Table 10, p. 35. 1928.

^{2/} The "fuel ratio" is the ratio of calories produced by non-protein to calories produced by protein, and is thus the inverse of what is sometimes called the "nutritive ratio". It represents the heating capacity as contrasted with the body-building capacity of the food, and has the advantage of drawing attention to the high value of the former in vegetarian diets, and especially in the diets of the rice-eating peoples.

Table 4.
COMPOSITION OF SOME JAPANESE FOODS COMMONLY USED IN HAWAII ^{1/}
(Results expressed as percentages of edible material)

Japanese name	English name of description	Water		Protein (Nx6.25)		Fat		Carbohy- drates (by difference)		Fiber	Total ash	Weight for 100 Calories
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent			
Aburage	Fried bean curd	53.20	21.10	22.00	.270	.....	1.25	34			
Edamame ^{2/}	Cooked green soybeans (beans only)	63.80	14.40	3.45	13.80	1.55	3.00	70				
Fu	Gluten cakes	11.30	31.20	.91	56.50	.....	.50	28		
Goma (Kurogoma)	Sesame seeds (black)	7.77	19.65	45.35	8.85	12.10	4.33	19				
Hukusai ^{2/}	Leaf cabbage pickled in a paste of salt and rice bran	88.55	2.04	.24	5.33	.96	2.88	316				
Iriko:	Small dried fish	43.92	40.01	4.13	.....	.....	12.08	50		
Chirlmen-iriko	.....	17.80	58.70	4.28	.....	.....	19.75	.....			
Oba-iriko	.....	.....	.....	.....	.....	.....	.....	.....
Kaiso-ruki:	Seaweeds	20.10	2.30	.13	71.70	.....	2.90	.....			
Kanten	Agar agar	16.30	22.70	1.21	27.70	4.30	27.81	.....			
Kombu	.....	.....	.....	.....	.....	.....	.....	.....
Nori (Asakusa- nori)	Laver	11.10	35.20	.....	43.50	.....	8.75	.....			
Wakame	.....	23.50	11.60	1.44	42.20	3.30	16.72	.....			
Kamaboko	Fish cake	73.70	11.10	.06	11.90	.....	2.61	108			
Kampyo	Strips of dried edible gourd	33.70	7.60	.13	56.00	1.00	.73	39				
Katsuo-bushi	Dried bonito	21.10	74.75	.47	.....	.....	4.00	33		

^{1/} Extracted from Miller, C. D. Japanese foods commonly used in Hawaii. Hawaii Agricultural Experiment Station, Bulletin No. 68, Table 1. 1933.

^{2/} Analyses made at the Hawaii station. The other analyses were made by Saiki (12).

Table 4. (continued)

Japanese name	English name of description	Water	Protein (Nx6.25)	Fat	Carbohy- drates (by difference)	Fiber	Total ash	Weight for 100 Calories	RESTRICTED	
									Percent	Percent
Kinoko:	Mushrooms									235
Matsutake	Canned mushrooms	87.70	1.90	.34	6.20	2.50	.81	282		
Shiitake (hoshi)	Dry mushrooms	17.20	15.50	1.45	64.00	1.20	3.42	31		
Kirazuru	Residue from making tofu	82.86	4.77	1.66	6.15	3.93	.63	171		
Koji	Fermented rice	23.44	5.53	.15	69.59	.41	.88	33		
Konnyaku	.....	96.60	.09	2/	3.01	.06	.24	807		
Miso	Fermented rice and soybeans	57.14	6.61	1.87	27.91	1.53	4.94	65		
Natto	Fermented soybeans ..	60.40	18.70	9.39	3.13	6.49	1.89	58		
Shoyu	Soybean sauce	70.26	7.80	.....	5.00	.....	16.94	196		
Tofu	Soybean curd	84.71	8.98	4.05	1.58	.03	.65	127		
Tonyu	Soybean milk	94.00	2.97	1.37	1.36	.....	.30	338		
Udon	Noodles	14.20	10.60	.79	67.20	6.34	31		
Umeboshi	Red pickled plum	78.90	.50	1.33	4.90	.60	13.50	300		

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1/ Analyses made at the Hawaii station. The other analyses were made by Saiki (12).
2/ Trace.

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Table 5.

ESTIMATION OF NON-FOOD USES OF JAPANESE AGRICULTURAL PRODUCTS ON WARTIME BASIS 1/ 2/ 3/ 4/

Foodstuff	Non-food uses			Waste ^{6/} (Non-edible)	Grand Total
	Industrial ^{1/}	Feed ^{2/}	Seed ^{3/}		
	Percent	Percent	Percent	Percent	Percent
Rice (Brown)	-	-	1.5 ^{1/11/}	6.27 ^{7/}	7.7
Wheat	4.82 ^{8/}	-	2.0	11.28 ^{9/}	18.0
Barley, Covered	-	22.02 ^{2/}	2.92 ^{2/}	11.02 ^{9/}	35.9
Barley, Naked	-	11.72 ^{2/}	3.62 ^{2/}	0.02 ^{9/}	15.3
Millets (all)	-	43.01 ^{12/}	3.0	20.0	66.0
Soybeans	-	-	7.0 ^{1/}	0.0	7.0
Other Beans	-	-	7.0	0.0	7.0
Potatoes, Sweet	-	-	4.03 ^{2/}	10.03 ^{10/}	14.0
Potatoes, Irish	-	-	9.03 ^{2/}	10.03 ^{10/}	19.0
Radishes	-	-	-	8.01 ^{1/}	8.0
Other Vegetables	-	-	-	22.01 ^{1/}	22.0
Fruits (all)	-	-	-	20.01 ^{1/}	20.0
Sugar	-	-	-	0.0	0.0
Kelps (edible)	-	-	-	-	-
Fish	-	-	-	40.01 ^{1/}	40.0
Meat and Poultry	-	-	-	30.01 ^{1/}	30.0
Eggs	-	-	-	10.01 ^{1/}	10.0
Milk and Milk Products-	-	-	-	0.0	0.0

- 1/ Modified from data in CA Handbook: Japan: Section 7, Agriculture. ASF Manual M 354-7, pp. 136-137. 1944.
2/ Alsberg, Carl L. Japanese self-sufficiency of wheat. Wheat Studies, Food Res. Inst., Stanford, Vol. 12, No. 3, pp. 57-100. 1935.
3/ The present Japanese diet, with special reference to protein consumption. Board Econ. Warfare, May 1943.
4/ These percentages can be applied to the total annual production of a crop to obtain a general estimate of non-food uses and waste.
5/ Direct use as livestock feed.
6/ Includes bran, milling offals, hulls, and other wastes. Much of this can be used for livestock feed.
7/ Calculated on basis 70 percent milling.
8/ Calculated on basis that 75 percent of wheat is milled into flour at 85 percent extraction. Wartime rate likely to be higher rate of extraction. About 20 percent of whole wheat is used in manufacture of soysauce.
9/ Percentage of hull varies from 8-20 percent. Additional 18-20 percent should be removed in case barley is pearled.
10/ Estimated shrinkage and storage losses.
11/ Possibly as high as 3 percent of paddy rice.
12/ Millets would probably be used for human food rather than, or in addition to, animal feeding in times of food scarcity.

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