



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

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"The Agricultural and Pastoral Statistics Act, 1895."—Acreage and Actual Yields in Corn-crops, 1898-99.—Notice No. 544.

Department of Agriculture, Wellington, 13th July, 1899.

THE *New Zealand Gazette* of the 26th January and the Supplement of the 13th April last contained respectively an interim return giving an estimate of the yields of wheat, oats, and barley, with the acreage under other cereals, and the complete returns of all crops, as also number of horses, cattle, and pigs at 15th November, and sheep at 30th April, 1898. The following tables show the acreages, actual yields per acre, and total returns.

The weather during harvest in the North Island and northern portion of the Middle Island was wet, consequently a considerable quantity of grain was damaged both in the stook and stack. In the southern portion of the Middle Island, however the weather was fine, and the crops were saved in good condition.

The actual yields of wheat, oats, and barley are considerably over the estimate as shown by the interim return, figures being as follows:—

	Estimated Yield.	Actual Yield.
Wheat	27 bushels per acre	32.76 bushels per acre.
Oats	35 "	39.56 "
Barley	28 "	36.73 "
The area under wheat for threshing was 399,034 acres; actual yield, 32.76 bushels per acre		
Old wheat on hand at 15th November, 1898		13,073,416 bushels
Wheat imported from 15th November, 1898, to 28th February, 1899	Nil bushels.	1,622,037 "
Flour imported from 15th November, 1898, to 28th February, 1899	162 tons = 7,614 "	7,614 "
		<u>14,703,067 "</u>
Wheat exported from 15th November, 1898, to 28th February, 1899	22,206 bushels.	
Flour exported from 15th November, 1898, to 28th February, 1899	51 tons = 2,397 "	
Consumption for same period on an average population of 783,000 at the rate of 6 bushels per head per annum	1,370,250 "	1,394,853 "
Available for all purposes as from 28th February, 1899		13,308,214 "
Estimated quantity required for seed (say, 380,000 acres at 2 bushels per acre)	760,000 bushels.	
Consumption for all purposes on a population of 790,000 at 6 bushels per head per annum	4,740,000 "	5,500,000 "
Apparent surplus		7,808,214

The following figures show how the wheat-crop of 1897-98 was disposed of:—

Wheat on hand at 15 th February, 1898 .. .. .	.. .. .	5,620,521 bushels.
Wheat imported from 15 th February to 15 th November	17,969 bushels.	
Flour	417 tons =	19,599
		<u>37,568</u>
Less wheat exported for same period	9,729 bushels.	
Less flour	397 tons =	18,659
		<u>28,388</u>
		9,180

Total available for period 15th February to 15th November, 1898 5,629,701

This was dealt with as follows:—

Seed required for 400,389 acres for threshing, chaffing, ensilage, and feeding down, at 2 bushels per acre	800,778 bushels.
Consumption on an average population of 772,000 for period 15 th February to 15 th November, at 6 bushels per head per annum	3,474,000
Old wheat on hand at 15 th November	1,622,037
	<u>5,896,815</u>
Apparent deficiency	267,114

In the final return of last year (see *New Zealand Gazette* of 26th July, 1898) a surplus of 291,119 bushels was shown, but this must be reduced by 100,778 bushels used for seed in excess of that estimated, leaving only 190,341 bushels of a surplus. This shortage may be attributed to either of the following causes:—

- (1.) Owing to the drought, a large area, estimated at 30,000 acres, was deducted from the acreage under wheat for threshing. It is just possible that this was over-estimated. Or—
- (2.) The consumption may have been less than 6 bushels per head on the population—(a) owing to the high price of bread, or (b) a decreased quantity fed to pigs and poultry.

The estimate of 6 bushels per head for consumption for all purposes may be too liberal an allowance, but it is somewhat difficult to arrive at the exact figures.

Oats: For threshing there were 417,520 acres, or an increase of 62,501 acres over last year. The yield is also very much higher, and, as a considerable proportion of this crop is grown in the south of the Middle Island, the quality should be above the average.

Barley: For threshing there were 45,671 acres, or an increase of 15,751 acres. The yield is likewise much higher, but, unfortunately, much of the grain was discoloured owing to the wet.

Maize: There were 18,539 acres, or an increase of 3,702 acres over last year. In Whakatane and Tauranga Counties the caterpillars caused considerable damage, estimated at 8 bushels per acre. Very little threshing has yet been done, therefore only an estimate of the yield is given.

Peas, Beans, and Tares: The acreage under these varies very little; the yield, however, is higher.

Linsed: It will be observed that there is a very large reduction in the area returned—only 469 acres, as against 1,017 acres the previous year. With the demand there is for the seed it is difficult to account for the apathy shown by farmers with regard to this crop.

Rye-grass: The area under this heading for seed is as follows:—

Land ploughed	63,412 acres.
Land not ploughed	2,883
	<u>66,295 acres, at 25.01 bushels per acre ..</u>
Seed on hand at 15 th November, 1898	60,375
Available for disposal, 1898-99	1,717,857

Where the crop was saved in good order there should be some very prime samples of seed. Several phenomenal yields are reported from the South—from 50 to 70 bushels per acre.

Cocksfoot: The area under this crop is as follows:—

Land ploughed	5,390 acres.
Land not ploughed	40,885
	<u>46,275 acres, at 150 lb. per acre ..</u>
Seed on hand at 15 th November, 1898	1,012,491
Available for disposal, 1898-99	7,955,530

Potatoes: The area under this crop is increased by 2,202 acres; and the yield is given at 7.73 tons per acre, as against 4.95 tons last year. The tubers are reported to be of good quality.

J. D. RITCHIE,
Secretary.

ACREAGE AND ACTUAL YIELD OF CORN-CROPS, GRASSES, ETC.

Provincial District.	Wheat.			Oats.			Barley.			Rye.		
	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels.	
Auckland ..	12,261	20.31	249,046	8,882	30.81	273,681	2,123	27.55	58,497	85	12.5	1,062
..	7,413	20.49	151,935	5,602	21.66	121,354	1,420	26.89	37,475	41	17.5	717
Hawke's Bay ..	1,617	27.83	45,002	7,057	33.85	238,922	3,002	37.77	113,388	262	30	7,860
..	979	18.59	18,204	4,312	30.28	130,602	1,951	34.73	67,777	103	28.4	2,925
Taranaki ..	3,100	28.59	88,647	6,379	37.99	242,368	1,107	38.33	42,435	55	12	660
..	2,585	39.24	101,446	5,284	46.41	245,247	816	46.87	38,255	67	36.27	2,430
Wellington ..	18,668	29.48	550,411	22,603	33.94	767,327	926	36.19	33,520	239	18.58	4,440
..	13,142	25.25	331,860	19,705	28.68	565,349	531	35.22	18,706	102	25.84	2,636
Marlborough ..	7,783	27.8	216,367	3,569	32.83	117,170	5,622	29.44	165,511	63	20.5	1,291
..	6,000	24.72	148,380	3,227	26.38	85,135	3,374	28.67	96,737	14	22.5	315
Nelson ..	6,001	30.84	185,117	5,655	36.6	207,018	4,228	35.1	148,435	43	21.75	935
..	4,245	25.01	106,193	4,490	24.26	108,967	3,594	19.28	69,300	51	19.21	979
Westland ..	..	..	..	..	..	..	..	..	..	6*	..	..
..	..	..	..	..	..	..	..	..	..	1*	..	..
Canterbury ..	249,852	33.65	8,409,166	142,748	41.26	5,890,132	14,600	46.29	675,931	473	21.91	10,363
..	200,992	15.1	3,035,404	115,253	20	2,312,020	10,298	18.35	189,066	216	15.96	3,447
Otago ..	99,752	33.37	3,329,660	220,427	39.8	8,774,770	14,063	31.3	440,191	1,720	22.9	39,388
..	80,445	22.08	1,776,595	196,946	31.32	6,169,717	7,936	24.26	192,558	1,320	19.51	25,753
Totals	399,034	32.76	13,073,416	417,320	39.56	16,511,388	45,671	36.73	1,677,908	2,946	22.44	65,999
..	315,801	17.95	5,670,017	354,819	27.44	9,738,391	29,920	23.72	709,874	1,915	20.47	39,202

* Not included in averages.

ACREAGE AND ACTUAL YIELD OF CORN-CROPS, GRASSES, ETC.—continued.

Provincial District.	Maize.†			Peas.			Beans.			Rye-grass.			Cocksfoot.			Potatoes.		
	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels.	Total Bushels.	Acres.	Yield per Acre in Bushels of 20 lb.	Total Bushels.	Acres.	Yield per Acre in Pounds.	Total Pounds.	Acres.	Yield per Acre in Tons.	Total Tons.
Auckland	17,143	44.64	765,263	129	35.57	4,588	68	43.5	2,959	7,246	14.22	103,088	2,942	174	511,908	8,247	6.19	51,048
	13,079	46.25	604,904	141	20.11	2,886	82	20	1,640	7,160	13.49	96,588	12,336	120	1,480,320	7,123	4.33	30,843
Hawke's Bay	1,050	39.92	41,916	126	40	5,040	105	45.23	4,749	7,046	21.05	148,318	3,915	80	313,200	2,066	8.7	17,974
	1,043	28.9	30,143	41	27.65	1,134	43	33.41	1,437	4,771	20.52	97,901	3,799	150	569,850	1,849	4.9	9,060
Taranaki	110	20	2,200	104	40.51	4,213	179	40.07	7,172	333	28.71	9,560	7,302	120	876,240	2,212	8.1	17,917
	439	23.84	10,466	55	32.5	1,787	217	30.1	6,532	477	22.07	10,527	9,037	190	1,717,030	2,435	5.29	12,881
Wellington	200	20	4,000	905	30.39	27,502	154	35	5,390	3,179	25.21	80,142	5,149	120	617,880	4,279	8.7	37,227
	241	32.94	7,939	775	28.89	22,390	232	27.38	6,352	2,269	20.72	47,014	6,789	95	644,955	4,206	5.3	22,292
Marlborough	3*	..	..	977	22.76	22,236	103	33	3,399	313	20.09	6,288	441	125	55,125	863	8.8	7,594
	..	..	..	1,080	16.71	18,047	73	25.5	1,862	267	26.93	7,190	290	202	58,580	830	5.06	4,200
Nelson	29*	..	..	542	27.75	15,040	19*	..	..	146	25	3,650	82	130	10,660	1,468	7.25	10,643
	18	25.66	462	589	21.5	12,663	55	22.16	1,219	79	17.57	1,388	187	152	28,424	1,510	4.75	7,172
Westland	..	..	..	1*	..	..	..	..	..	31*	..	..	..	..	..	335	6.18	2,070
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	314	4.11	1,291
Canterbury	4*	..	..	3,453	28.06	96,891	1,979	36.84	72,906	24,749	25.6	633,574	25,566	172	4,397,352	12,432	8.54	106,169
	17	..	..	4,004	15.46	61,902	2,287	17.04	38,970	4,808	15.37	76,303	25,010	166	4,151,660	10,917	5.87	64,083
Otago	..	..	..	97	30	2,910	17*	..	..	23,252	28.94	672,912	878	183	160,674	6,702	7.15	47,919
	..	..	..	67	25.2	1,688	5	30	150	15,336	26.91	412,692	1,192	187	222,904	7,218	3.95	28,511
Totals	18,539	43.95	813,379	6,384	28.17	178,420	2,624	37.31	96,574	66,295	25.01	1,657,482	45,375	150	6,943,039	38,604	7.73	298,661
	14,837	44.12	653,914	6,752	18.13	122,447	2,994	19.42	58,163	35,167	21.31	749,603	53,640	151	8,875,723	36,402	4.95	180,333

* Not included in averages. † Estimate only, as very little crop threshed yet.

ACREAGE AND ACTUAL YIELD OF CORN-CROPS, GRASSES, ETC.

County.	Wheat.			Oats.			Barley.			Rye.		
	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.

PROVINCIAL DISTRICT OF AUCKLAND.

Mongonui ..	288	15.45	4,449	570	21.3	12,141	42	27	1,184	85	12.5	1,062
Whangaroa ..												
Hokianga ..												
Bay of Islands ..												
Hobson ..												
Whangarei ..												
Otamatea ..												
Rodney ..												
Waitemata ..												
Eden ..												
Manukau ..	2,948	23.23	68,482	3,125	31.71	99,093	189	33.61	6,352	85	12.5	1,062
Coromandel ..												
Thames ..												
Ohinemuri ..												
Piako ..												
Waikato ..	6,222	20	124,440	3,972	34.05	135,249	271	27.62	7,485			
Waipa ..												
Raglan ..												
Kawhia ..												
Taupo West ..												
Taupo East ..												
Rotorua ..	1,956	15	29,340	786	17.75	13,951	73	21.6	1,576			
Tauranga ..												
Whakatane ..												
Waiapu ..	847	26.37	22,335	429	30.88	13,247	1,548	27.1	41,950			
Cook ..												
	12,261	20.31	249,046	8,882	30.81	273,681	2,123	27.55	58,497	85	12.5	1,062

PROVINCIAL DISTRICT OF HAWKE'S BAY.

Wairoa ..	1,121	30.19	33,842	3,884	35.25	136,911	2,705	38.35	103,736	262	30	7,860
Hawke's Bay ..												
Waipawa ..												
Patangata ..	496	22.5	11,160	3,173	32.15	102,011	297	32.5	9,652	262	30	7,860
	1,617	27.83	45,002	7,057	33.85	238,922	3,002	37.77	113,388			

PROVINCIAL DISTRICT OF TARANAKI.

Clifton ..	577	21.67	12,503	2,221	30.74	68,273	224	33.11	7,416	55	12	660
Taranaki ..												
Stratford ..												
Hawera ..												
Patea ..	2,523	30.18	76,144	4,158	41.87	174,095	883	39.66	35,019	55	12	660
	3,100	28.59	88,647	6,379	37.99	242,368	1,107	38.33	42,435			

PROVINCIAL DISTRICT OF WELLINGTON.

Waitotara ..	3,430	31.72	103,799	1,488	37.09	55,189	63	25.47	1,604	239	18.58	4,440
Wanganui ..												
Rangitikei ..												
Oroua ..												
Kiwitea ..												
Pohangina ..												
Manawatu ..												
Horowhenua ..												
Hutt ..												
Pahiatua ..												
Wairarapa North ..												
Wairarapa South ..												
	18,668	29.48	550,411	22,603	33.94	767,327	926	36.19	33,520	239	18.58	4,440

PROVINCIAL DISTRICT OF MARLBOROUGH.

Sounds ..	7,783	27.8	216,367	3,569	32.83	117,170	5,622	29.44	165,511	63	20.5	1,291
Marlborough ..												
Kaikoura ..												

ACREAGE AND ACTUAL YIELD OF CORN-CROPS, GRASSES, ETC.—continued.

Count y.	Wheat.			Oats.			Barley.			Rye.		
	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.
PROVINCIAL DISTRICT OF NELSON.												
Collingwood ..	3,548	27.5	97,570	3,898	35.3	137,599	4,063	35	142,205	43	21.75	935
Waimea ..												
Buller ..												
Inangahua ..												
Amuri ..												
Cheviot ..	2,453	35.69	87,547	1,757	39.51	69,419	165	37.76	6,230			
	6,001	30.84	185,117	5,655	36.6	207,018	4,228	35.1	148,435	43	21.75	935

PROVINCIAL DISTRICT OF WESTLAND.—Nil.

PROVINCIAL DISTRICT OF CANTERBURY.

Ashley ..	31,637	33.72	1,066,799	19,218	39.56	760,264	983	38.5	37,845	473	21.91	10,363
Selwyn ..	50,724	34.06	1,727,659	34,509	37.27	1,286,150	8,500	48.08	408,680			
Akaroa ..												
Ashburton ..	73,878	32.31	2,386,998	35,287	40.99	1,446,414	1,377	50	68,850			
Geraldine ..	30,072	33.48	1,006,810	15,937	41.14	655,648	1,073	40.65	43,617			
Levels ..	28,451	34.03	968,187	16,381	45.32	742,386	1,078	42	45,276			
Mackenzie ..												
Waimate ..	35,090	35.7	1,252,713	21,416	46.66	999,270	1,589	45.1	71,663			
	249,852	33.65	8,409,166	142,748	41.26	5,890,132	14,600	46.29	675,931	473	21.91	10,363

PROVINCIAL DISTRICT OF OTAGO.

Waitaki ..	44,423	33.61	1,493,057	19,268	43.34	835,075	3,304	32.36	106,917	1,720	22.9	39,388
Waihemo ..	6,090	32.36	197,072	6,315	41.59	262,640	389	34.89	13,572			
Waikouaiti ..												
Peninsula ..	7,983	43.31	345,743	9,824	51.77	508,588	935	37.69	35,240			
Taieri ..	9,346	36.11	337,484	16,901	40.49	684,321	835	37.2	31,062			
Bruce ..												
Clutha ..	2,286	33	75,438	29,192	36.27	1,058,793	241	28.89	6,962			
Tuapeka ..	5,726	30.09	172,295	12,863	33.57	496,125	419	30.18	12,645			
Maniototo ..	7,244	26.27	190,299	8,545	28.8	246,096	4,540	28.64	130,025			
Vincent ..												
Lake ..	16,654	31.12	518,272	117,519	39.85	4,683,132	3,400	30.52	103,768			
Southland ..												
Wallace and Fiord ..	99,752	33.37	3,829,660	220,427	39.3	8,774,770	14,063	31.30	440,191	1,720	22.9	39,388
Stewart Island ..												

SUMMARY.

ACREAGE AND ACTUAL YIELD OF CORN-CROPS, GRASSES, ETC., FOR THE YEARS 1895-96 TO 1898-99.

Year.	Wheat.			Oats.			Barley.			Rye.			Maize.		
	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.
1895-96	245,441	28	6,843,768	364,747	34	12,263,540	35,356	29	1,035,762	3,366	23	78,421	13,834	44.18	611,200
1896-97	258,608	23	5,926,523	372,597	30	11,232,803	29,813	28	821,506	3,245	20	65,629	12,534	40.23	503,652
1897-98	315,801	17.95	5,670,017	354,819	27.44	9,738,391	29,920	23.72	709,874	1,915	20.47	39,202	14,837	44.12	653,914
1898-99	399,034	32.76	13,073,416	417,320	39.56	16,511,388	45,671	36.73	1,677,908	2,946	22.44	65,999	18,539	43.95	813,379

Year.	Peas.			Beans.			Rye-grass.			Cocksfoot.			Potatoes.		
	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in Bushels.	Total Bushels.	Acres.	Yield per Acre, in B's of 5lb.	Total Bushels.	Acres.	Yield per Acre, in Pounds.	Total Pounds.	Acres.	Yield per Acre, in Tons.	Total Tons.
1895-96	7,200	27.05	194,753	4,863	35.55	172,866	57,107	19.31	1,101,795	36,740	192	7,041,078	31,997	6.47	207,011
1896-97	7,551	23.44	176,941	3,939	29.67	116,874	41,818	19.94	833,738	49,622	168	8,356,638	29,990	5.25	157,529
1897-98	6,752	18.13	122,447	2,994	19.42	58,162	35,167	21.31	749,603	58,640	151	8,873,723	36,402	4.95	180,333
1898-99	6,334	28.17	178,420	2,624	37.31	96,574	66,295	25.01	1,657,482	46,275	150	6,943,039	38,604	7.73	298,561