

1888.

QUEENSLAND.

ANNUAL REPORT OF THE DEPARTMENT OF AGRICULTURE FOR  
THE YEAR ENDING 30TH JUNE, 1888.

Presented to both Houses of Parliament by Command.

TO THE HONOURABLE THE SECRETARY FOR PUBLIC LANDS.

Department of Agriculture,  
Brisbane, 1st July, 1888.

SIR,

I have the honour to report on the working of the Department of Agriculture during the six months of the present year ending on the 30th June, 1888, including the Annual Report of the Colonial Botanist.

This Department, although gazetted in July of last year, has only practically been in operation since the beginning of the present year, in consequence of my visit to the Southern Colonies and New Zealand, to inquire into the working of kindred departments in those colonies, and also the village settlement scheme in vogue in New Zealand, my report thereon being laid before Parliament at the close of last session.

The groundwork of this Department being, in my opinion, to watch over and assist in every way possible the interests and well-being of an industrial class more numerous than any other, and upon whose labour depends the very existence and prosperity of the human family, and knowing that the area of land available for agriculture in this colony is unsurpassed both in fertility and area, so that agriculturists by the thousand can find here a farm and a home, it will be the constant aim of this Department to aid and assist the agriculturists of Queensland, both by the dissemination of practical information and seeds, and also by the testing of new, rare, and untried plants of other colonies and countries that promise to prove of commercial value to this colony.

As will be seen from the schedule marked B, appended to this Report, which shows what seeds have been distributed up to the present date, a beginning, though without doubt a small one, has been made, but which I hope is only the forerunner of very greatly extended operations in the interests of agriculture generally.

Up to the present time the work of this Department has been confined to—

1. The inspection of resumed halves of runs, with reference to the suitability of the land or any part of it for agriculture, and the procuring of samples of soil for exhibition in the office of this Department.
2. Procuring and distributing seeds of new plants of commercial value to *bonâ fide* planters and farmers, care being taken to ascertain through the local Land Agents as to whether the applicants for seeds are really farming the land.
3. Obtaining and supplying information to intending selectors as to where good land is situated, quality thereof, means of access, distance from a market, &c.
4. Initiating correspondence with kindred departments in other parts of the world, so that advantage may be taken of their experience in any matters that may prove of value to this colony.

NEWSPAPERS.—A number of agricultural newspapers, which will be added to from time to time, are filed in the office of this Department—a list whereof I have the honour to append, marked F—for reference by any planter or farmer desiring to search the files for any matter of interest.

REPORTS.—A valuable collection of reports of various agricultural departments of the United States of America has been kindly presented to this Department by the New Zealand Loan and Mercantile Agency Company.

Reports have also been received from the Royal Commission on vegetable products, the Department of Agriculture, and the School of Agriculture of the Colony of Victoria, the Department of Forestry in South Australia, and the Surveyor-General's Department in New Zealand.

“ PAPERS

"PAPERS FOR THE PEOPLE, BY PRACTICAL MEN."—These pamphlets, of which twenty have been printed and issued, each treating on a different subject connected with agriculture, are distributed gratuitously. There is a great demand for them; 20,650 copies in all have been received by this Department from the Government Printing Office, of which 15,000 copies have been distributed.

"QUEENSLAND GUIDE."—This book, which, in addition to other matters of interest and information, embodies the pamphlets mentioned in the foregoing paragraph, is now in the hands of the Government Printer, and will shortly be issued. Three thousand copies have been ordered and printed, of which 1,000 are illustrated, and are intended for distribution beyond the colony, the remaining 2,000 without illustrations being for circulation here.

NOTICES TO IMMIGRANTS.—A notice drawing the attention of immigrants to this Department has been compiled. These notices have been posted in all the immigration offices, and through the courtesy of the managers of the British India Steam Navigation Company they will be posted on all their immigrant steamers coming to this colony.

SEEDS DISTRIBUTED BY OTHER DEPARTMENTS.—On different occasions seeds of economic value have been distributed by other departments, but no record appears to have been kept of the persons to whom they were distributed, and thus the value of the distribution has been lost to the colony. A register has been instituted in this Department, by which a record is kept of all seeds or plants sent out; a letter is also sent with each parcel of seeds, asking the recipient to note carefully all particulars of their growth, rainfall, nature of the soil, probable yield per acre, &c., the results whereof, upon the crop arriving at maturity, are forwarded to this Department for record; thus the value to the colony of each new plant introduced can be estimated, as also the adaptability of different localities for different crops.

RUST-RESISTING WHEAT.—Although it has been proved that many parts of the colony are admirably adapted for wheat-growing, yet on account of the periodical attacks of rust to which wheat is subject it cannot be said to have proved an unqualified success. For some years past Dr. Bancroft has been experimenting with different varieties of rust-resisting wheats, and Messrs. Joyce Bros., of Cregmore, near Dalby, having a quantity of seed wheat, the outcome of the experiments of Dr. Bancroft, and which had never been touched by rust, 32 bushels of three different varieties—Indian bearded, Indian beardless, and Indian white—were purchased from Messrs Joyce Bros. and distributed to farmers in quantities as shown in Schedule B.

MEXICAN WHEAT.—During my visit last year to the School of Agriculture, Dookie, Victoria, I saw growing there a wheat the seed of which had been imported from Mexico. This wheat is said to ripen from two to three weeks earlier than any other variety grown, and had not been known to be affected by rust. I made arrangements with the Principal of Dookie to secure a quantity of seeds for trial in Queensland, the result being that five bags of this wheat, containing 22 bushels, were purchased, and were distributed in a like manner to the wheats purchased from Messrs. Joyce Bros., as will be seen from Schedule B.

WARD'S PROLIFIC WHEAT.—Noticing in one of our newspapers a paragraph relative to a wheat grown in South Australia known by the name of "Ward's Prolific," and which is said to possess great rust-resisting powers, I communicated with the grower, Mr. Jas. Ward, of Netherby, South Australia, requesting to be supplied with a small quantity of seed for testing in this colony. Mr. Ward generously responded to my application by forwarding one bushel of this wheat as a donation to this Department. This wheat has been placed in the hands of farmers most likely to give every care to its cultivation.

EGYPTIAN WHEATS, &c.—Egypt possessing in many respects a climate similar to our own, it was thought probable that wheat grown there might prove a success here. A bank draft was therefore forwarded to Messrs Vilmorin, Andrieux, and Co., of Paris, with the request that they would secure through their agents at Cairo, a small quantity of the different Egyptian wheats, together with other seeds (particulars of which will be seen in Schedule E) for experiment in this colony.

SPANISH PEA-NUT, COTTON, MELONS.—In the supplementary report of the Department of Agriculture of Georgia, United States, America, for the year 1887, a great number of farmers in that State reported in very favourable terms on the immense yield of the Spanish pea-nut, quantities of which had been distributed by that Department in the previous year. These nuts form splendid food for fattening pigs, and the vines when made into hay make excellent feed for cattle and horses. This nut, according to the report, yielding well even on inferior soil, being easily cultivated and easily gathered, I formed the opinion that it would thrive equally as well here as in Georgia. I have therefore forwarded a letter to the Department of Agriculture in that State, asking to be supplied with a bushel of the seed, and at the same time desired to be supplied with seeds of a new variety of cotton and of two new varieties of melons.

COFFEE.—As numerous inquiries had been made to this Department for seeds of this plant, 12 lbs. of coffee berries were purchased from Mr. Jas. Dick, of Cooktown, who has been growing this plant for some considerable time. Having in view the disease that has attacked the coffee plant in Ceylon and other places, I considered it better to secure seeds grown in the colony—as, so far as I am aware, the disease has not yet made its appearance here—rather than run the risk of introducing it by importing the seeds from other countries. As there are indications of coffee planting about to be carried on extensively in the near future, inquiries have been instituted as to the most improved coffee pulpers and shellers now in use, and other machinery for the treatment of coffee, prior to its being placed upon the market.

ORANGES.—Inquiry has been made with reference to an orange grown in Nepaul, India, which is reported to bear an immense crop and to furnish excellent fruit. Should the report from Nepaul bear out the information received by this Department, steps will be taken to secure seeds or plants and introduce this new variety to Queensland.

TEA.—As it is thought that this plant could be successfully cultivated in the more northern parts of this colony, I have opened up communication with China with a view of obtaining a supply of seeds of the different varieties cultivated there.

**PARA INDIAN-RUBBER TREE.**—I have endeavoured to obtain seeds of this tree from the Botanical Gardens, Ceylon, for distribution in the North, but in the latest advices received from the director of the gardens a doubt is expressed as to the seeds retaining their vitality during the voyage from Ceylon to Queensland except in a wardian case; but as this mode would greatly militate against their distribution I have again written asking the director to make the attempt, in the hope that some of the seeds will retain their vitality, but if it be found that the seeds will not retain their vitality and germinate upon arrival, a supply of plants will be secured in a wardian case. This tree, if grown in the North, would, I am confident, prove of commercial value in the near future.

**CHORO-GL.**—At the Horticultural Exhibition lately held in London, a Japanese plant called Choro-gi, belonging to the sage family (of which the botanical name is *Stachys tuberifera*) was exhibited, and as it was stated in the report to be likely to take a prominent place in the economy of the kitchen, I wrote to Messrs. Cocking and Co., of Yokohama, requesting to be supplied with some seeds of this plant, as doubtless it will prove of commercial value, especially to the northern parts of the colony.

**JAPANESE FLOUR MAIZE.**—I have to acknowledge with thanks the receipt of 14 lbs. of this maize, the gift of Mr. Jas. Henderson, of Kinghorn, Tambourine, a gentleman who has experimented largely in economic plants from other countries. The Japanese flour maize bids fair to prove an excellent substitute for wheaten flour in bread making. This maize is now in course of distribution.

**INSTRUCTOR IN AGRICULTURE.**—A request has been made to the Department of Agriculture, Washington, United States of America, to engage a duly qualified instructor in agricultural science, and there is every reason to believe that a gentleman selected by that department will arrive in Brisbane during the present year.

**INSPECTIONS.**—The following inspections of resumed halves of runs have been made and reported on by me as to the agricultural and grazing capabilities of the land:—

- |              |                  |                |
|--------------|------------------|----------------|
| 1. Taabinga  | 5. Glenlyon      | 9. Coolmundi   |
| 2. Barambah  | 6. Stonehenge    | 10. Chinchilla |
| 3. Boonara   | 7. Canning Creek | 11. Taromeo.   |
| 4. Boonbyjan | 8. Whetstone     |                |

**VILLAGE SETTLEMENTS.**—The following village settlements have been inspected and reported on by me:—

1. Taabinga
2. Koorongara (North and South)
3. Perseverance.

**DONATIONS FROM OTHER COLONIES.**—The thanks of this Department are due to the Department of Agriculture in Victoria for the gift of four bags of olive truncheons, and to the Town Council of Adelaide for a like gift of four bags of truncheons for distribution in this colony.

**CORRESPONDENCE.**—The inward correspondence to the 30th June amounted to 678 letters; the outward correspondence, 1,578 letters.

I have, &c.,

PETER McLEAN,  
Under Secretary for Agriculture.

Brisbane, May 19th, 1888.

SIR,

I have the honour to forward the following brief annual Report of my work during the past year; also, state of the Botanical Library, and Queensland Herbarium. As usual my time has been principally occupied in the determination of specimens sent me for that purpose, and in giving other botanical information required.

As no vote for additional books to the library was available, a very few have been added thereto. This is much to be regretted as other works and additional volumes to those already in the library are urgently required, and it is impossible to work satisfactorily without them.

No money being available for the collecting of herbarium specimens of the indigenous flora, no large additions have been made to the Herbarium; nevertheless it has been largely increased by means of exchanges, and by the specimens sent for determination, and at the present there are many more than room can be found for in the present cabinets, and further accommodation such as additional cabinets is urgently required.

I might here draw attention to the inconvenience and want of space in my present office, and ask that a more suitable place may be found; such requirements are an office and library-room, a room for the herbarium, and a larger space for a phytologic museum, in which to exhibit articles derived from or belonging to the vegetable kingdom, particularly those from our indigenous flora. The importance of this cannot be over-estimated; such a building has been long wanted, and will be absolutely necessary when the large exhibits of this kind are returned from the Melbourne Centennial Exhibition, amongst which is included, probably, the most extensive collection of indigenous woods ever exhibited from a single colony.

Taking advantage of the authority granted me by the Honourable the Secretary for Lands, now over three years ago, for having a certain amount of printing done periodically at the Government Office, I have been in the habit of preparing papers, in which would be found the descriptions of all new species, and an account of the Colony's flora up to date, but for the past two years the Government Printer was not, from a pressure of other work, able to print them; but I have now arranged the whole into a second supplement to my synopsis of the Queensland flora. My usefulness is very much retarded by the delay in getting this printing done, and the herbarium loses many valuable specimens which would be sent by correspondents could they see an account of their plants, as when sent to other botanists.

In former reports I have referred to the various fungoid blights which may have attacked the vegetation, and would say a few words on the same subject in the present.

Queensland as compared with other countries is remarkably free from fungoid blights, and such as do occur commit but little ravage except on badly cultivated farms and gardens and on undrained land. Besides such have been mentioned in former reports, the following have been observed during the past year:—The blights affecting grasses have been *Ustilago bromivora*, Tul.; this was found on the inflorescence of the common kangaroo grass, *Anthistiria ciliata*. *Ustilago cesatii*, Td. W., and *Cerebella paspali*, Cooke and Massee (n. sp.), on the inflorescence of *Paspalum scrobiculatum*. *Periconia nigrella*, Berk., on *Andropogon intermedius*. *Uredo maydis*, Betsch, and *Helminthosporium inconspicuum*, Cooke, on the foliage of maize. *Uromyces amygdali*, Cooke, has been very prevalent during the past year on the peach leaves. *Pestalozzia ovicola*, Speg., *Robillarda sessilis*, Sacc., and *Isariopsis clavispora*, B. and C., have more or less infected the vine foliage. The orange tribe also was slightly attacked by *Glœosporium citricolum*, C. and M. (n. sp.). *Oospora aphides*, C. and M. (n. sp.), was met with on the pumpkin vines. *Glœosporium musarum*, C. and M. (n. sp.), was noticed on some of the bananas brought into town for sale, but not so bad as it was some years ago, when it caused much of this fruit to be dry and useless. On several other fruits was observed a common fruit fungus, *Glœosporium fructigerum*, Berk. The eucalypt foliage at Nerang was in places destroyed by *Melasmia eucalypti*, C. and M. (n. sp.), the foliage of the rough fig *Ficus aspera* by *Fusarium decipiens*, C. and M. (n. sp.), the phyllodia of *Acacia complanata* by *Diplodia lichenopsis*, C. and M. (n. sp.). The foliage of *Dendrobium speciosum*, v. Hillii, was attacked by *Diplodina dendrobii*, C. and M. (n. sp.); on native shrubs was also observed *Glœosporium glaucum*, C. and M. (n. sp.), *Coniophora atrovirens*, B. and Br., *Sphaeropsis tricorynes*, B. and Br., and *Meliola amphitricha*, Fries. *Puccinia helianthi*, Schw., was observed destroying the sunflower leaves in a garden at Ipswich; this is its first appearance in Queensland.

I am indebted for the determination of these fungi to the celebrated mycologist, Dr. M. C. Cooke, England.

The following is a list of the names of the persons from whom herbarium specimens have been received or to whom such have been sent during the past year:—

Atkin, Rev. T. V.	Forbes, H. O.	Nordstedt, C. F. O.
Bancroft, Dr. J.	Fox, Geo.	Norton, A.
Bancroft, Dr. T. L.	Girling, T. H.	Parkinson, R.
Barclay-Millar, T.	Gordon, P. R.	Phillips, G.
Bartley, N.	Green, A. J.	Pilcher, G. L.
Bauerlin, W.	Griffith, H. L.	Pink, J.
Bennett, A.	Guilfoyle, W. R.	Reader, F.
Bernays, L. A.	Gulliver, T. A.	Rendle, Dr. R.
Blackman, F. A.	Ham, F.	Sanders, J.
Bogle, A.	Hartmann, C. H.	Schneider, H.
Brotherus, Dr. V. F.	Hockings and Co.	Scott, R.
Cameron, W.	Hodgson, E. D.	Scott, W. J.
Campbell, Miss F. M.	Hope, Miss M. A.	Seaman, W. H.
Chester-Master, F. R.	Hunt, W. H.	Shirley, J. F.
Clarke, D.	Ivory, J.	Skinner, T.
Cooke, Dr. M. C.	James, G.	Southerden, R. W.
Cowan, A. M.	Jones, Miss E.	Soutter, W.
Coxen, Mrs. Chas.	Keys, J.	Spencer, Mrs. A. G.
Cribb, J. G.	Knight, Dr. Chas.	Staiger, K. T.
Cribb, R. G.	Leigh, W. A.	Stirton, Dr. J.
Crow, B.	McCoig, J.	Tenison-Woods, Rev. J. E.
Davidson, J. H.	McDowall, R.	Thiselton-Dyer, W. J.
Douglas, Hon. John	Maiden, J. H.	Tryon, H.
Durden, H. S.	Marquis, F. D.	Voules, Geo.
Dyson, T. S.	May, T. N.	Watkins, G.
Ensor, H.	Mills, Miss A. R.	White, T. E.
Fawcett, J. W.	Mitten, W.	Wild, J. C.
Finucane, W.	Mueller, Baron Von	Williams, A.
Fitzgerald, R. D.	Naylor-Becket, J. W.	Wood, H.
Fletcher, P.	Nightingale, A.	Woolls, Rev. Dr. W.

I have, &c.,

F. M. BAILEY,  
Colonial Botanist.

To the Under Secretary for Agriculture, Brisbane.

## APPENDICES.

- A.—SUMMARY OF SEEDS DISTRIBUTED.  
 B.—SCHEDULE OF SEEDS DISTRIBUTED.  
 C.—CONTRIBUTIONS OF SEEDS TO THIS DEPARTMENT.  
 D.—SCHEDULE OF SEEDS PURCHASED.  
 E.—SCHEDULE OF SEEDS APPLIED FOR BY THIS DEPARTMENT.  
 F.—SCHEDULE OF PAPERS FILED IN OFFICE.

## SCHEDULE A.

SUMMARY showing the NUMBER of PARCELS of different SEEDS and PLANTS DISTRIBUTED by the DEPARTMENT to 30th June, 1888.

Plant.	Variety.	No. of Parcels.	Remarks.
Rice		1	
Hedge seed	Duranta plumieri	2	
"	Murraya exotica	1	
Broom millet		1	
Baobul seed		1	
Wheat	Indian, bearded	23	
"	" beardless	31	
"	" white	37	
"	Mexican	95	
"	English	1	
"	Ward's prolific	6	
"	Mixed Indian	1	
"	Colorado, red	1	
"	No. 67	1	
"	" 72	1	
"	" 88	1	
"	" 25	1	
"	" 17	1	
Olives	Olea Europea rubra	160	
"	Variety not known	310	
Wattle	Acacia pycnantha	18	
"	" decurrens	18	
Sorghum	Giant Honduras	91	
Amatto	Bixa orellana	78	
Coffee	Liberian	81	
Barley	Self-husking	6	
Rye		3	
Chinese grass cloth	Boehmeria nivea	2	
		973	

## SCHEDULE B.

SCHEDULE of SEEDS DISTRIBUTED by this DEPARTMENT during the SIX MONTHS ended 30th June, 1888, and showing the LOCALITY to which they were sent.

Plant or Seed.	Variety.	Locality where Distributed.	No. of Packages.	Weight o each.
Rust-resisting wheat	Indian, bearded	Warwick	2	$\frac{1}{2}$ bushel.
"	"	"	1	20 lbs.
"	"	Harrisville	2	10 lbs.
"	"	Toowoomba	2	$\frac{1}{2}$ bushel.
"	"	"	4	10 lbs.
"	"	Pittsworth	2	"
"	"	"	1	20 lbs.
"	"	Crow's Nest and High- fields Railway	1	15 lbs.
"	"	Felton	2	10 lbs.
"	"	Nanango	1	parcel.
"	"	Greenmount	2	20 lbs.
"	"	Redbank Plains	2	"
"	"	Surat	1	"
"	Indian, beardless	Warwick	4	$\frac{1}{2}$ bushel.
"	"	"	1	5 lbs.
"	"	"	3	15 lbs.
"	"	Hendon	1	10 lbs.
"	"	Harrisville	1	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	Killarney	1	$\frac{1}{2}$ bushel.
"	"	"	1	15 lbs.
"	"	Toowoomba	1	$\frac{1}{3}$ bushel.
"	"	"	1	10 lbs.
"	"	"	1	15 lbs.
		Carried forward	39	

## SCHEDULE B—continued.

SCHEDULE of SEEDS DISTRIBUTED by this DEPARTMENT during the SIX MONTHS ended 30th June, 1888, and showing the LOCALITY to which they were sent—continued.

Plant or Seed.	Variety.	Locality where Distributed.	No. of Packages.	Weight of each.
Rust-resisting wheat	Indian, beardless	Brought forward	39	
"	"	Westbrook	1	$\frac{1}{2}$ bushel.
"	"	Pittsworth	1	10 lbs.
"	"	"	2	5 lbs.
"	"	Crow's Nest and High-fields	1	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	"	1	15 lbs.
"	"	Felton	2	10 lbs.
"	"	Greenmount	1	15 lbs.
"	"	"	2	5 lbs.
"	"	Redbank Plains	2	10 lbs.
"	"	Surat	1	5 lbs.
"	Indian, white	Warwick	5	$\frac{1}{2}$ bushel.
"	"	"	3	15 lbs.
"	"	"	1	5 lbs.
"	"	Hendon	1	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	Harrisville	1	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	Killarney	1	15 lbs.
"	"	Toowoomba	2	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	"	1	15 lbs.
"	"	"	3	5 lbs.
"	"	Oakey	1	$\frac{1}{2}$ bushel.
"	"	Swan Creek	1	"
"	"	Pittsworth	1	"
"	"	"	1	10 lbs.
"	"	"	1	5 lbs.
"	"	Crow's Nest and High-fields	1	$\frac{1}{2}$ bushel.
"	"	"	1	10 lbs.
"	"	Felton	2	"
"	"	Greenmount	1	15 lbs.
"	"	"	2	5 lbs.
"	"	Nanango	1	parcel.
"	"	Redbank Plains	1	10 lbs.
"	"	"	1	5 lbs.
"	"	Surat	1	5 lbs.
"	Mexican	Allora	11	15 lbs.
"	"	Pilton	2	"
"	"	Clifton	2	"
"	"	Emu Vale	3	"
"	"	Mount Sturt	2	"
"	"	Yangan	2	"
"	"	Roma	18	"
"	"	Mitchell	3	"
"	"	Toowoomba	18	"
"	"	Warwick	9	"
"	"	Geham	2	"
"	"	Gatton	1	"
"	"	Clifton Colliery	3	"
"	"	Pittsworth	2	"
"	"	Hendon	2	"
"	"	Greenmount	3	"
"	"	Gowrie Junction	2	"
"	"	Redbank Plains	2	"
"	"	Maryborough	1	"
"	"	North Pine	3	"
"	"	Bald Hills	1	"
"	"	Swan Creek	1	"
"	"	Meringandan	1	"
"	"	Cambooya	1	"
"	"	Redbank Plains	1	parcel.
English wheat	Self-husking	Allora	1	"
Barley	"	Nerang	1	"
"	Small	Allora	1	"
Wheat	Mixed Indian	"	1	"
"	Colorado, red	"	1	"
"	" No. 67	"	1	"
"	" No. 72	"	1	"
"	" No. 88	"	1	"
"	" No. 25	"	1	"
"	" No. 17	"	1	"
Rye	Superior kind	"	1	"
"	"	Nerang	1	"
		Carried forward	199	

Small samples obtained from Dr. Bancroft.

Introduced from the Experimental Farm, Dookie, Victoria. Ripens from two to three weeks earlier than other wheats, hence its rust-resisting qualities.

## SCHEDULE B—continued.

SCHEDULE of SEEDS DISTRIBUTED by this DEPARTMENT during the SIX MONTHS ended 30th June, 1888, and showing the LOCALITY to which they were sent—continued.

Plant or Seed.	Variety.	Locality where Distributed.	No. of Packages.	Weight of each.
Ward's prolific wheat	From South Australia	Brought forward	199	
"	"	Allora	3	10 lbs.
"	"	Clifton	2	"
Olives	Olea Europea rubra	Swan Creek	1	"
"	"	Maryborough	16	truncheons.
"	"	Coomera	6	"
"	"	Oxley	6	"
"	"	Cairns	8	"
"	"	Beenleigh	16	"
"	"	Rocklea	8	"
"	"	Allora and Warwick	100	"
"	Variety not known	Cairns	20	"
"	"	Cooktown	10	"
"	"	Georgetown	10	"
"	"	Mackay	10	"
"	"	Tiaro	10	"
"	"	St. Lawrence	10	"
"	"	Bowen	10	"
"	"	Mooloolah	10	"
"	"	Woodford	10	"
"	"	Redbank Plains	20	"
"	"	Allora	10	"
"	"	Amby Crossing	10	"
"	"	Toowoomba	50	"
"	"	Warwick	10	"
"	"	Gatton	10	"
"	"	Dalby	10	"
"	"	Beenleigh	40	"
"	"	North Pine	10	"
"	"	Charleville	10	"
"	"	Harrisville	10	"
"	"	Nerang	10	"
"	"	Spring Creek	10	"
Wattle	Acacia decurrens	Tambourine	1	1 oz.
"	Black Wattle	Buderim Mountain	1	"
"	"	Sydney	1	"
"	"	Rockhampton	1	"
"	"	Caboolture	1	"
"	"	Redbank Plains	1	"
"	"	Townsville	1	"
"	"	Gatton	1	"
"	"	Pimpama Island	1	"
"	Acacia pycnantha	Sydney	1	2 ozs.
"	Broad-leaf Wattle	Rockhampton	1	"
"	"	Tewantin	2	"
"	"	Caboolture	2	"
"	"	Redbank Plains	1	"
"	"	Townsville	1	"
"	"	Gatton	1	"
Rice	"	Beenleigh	2	parcels.
Hedge seed	Duranta plumieri	St. Lawrence	1	"
"	Murraya exotica	"	1	"
Broom millet	"	Tambourine	1	"
Baobul seed	"	Buderim Mountain	1	"
Sorghum	Giant Honduras	Nundah	3	lbs.
"	"	Nudgee	2	"
"	"	Spring Creek	1	"
"	"	North Pine	1	"
"	"	Gympie	2	"
"	"	Isis Scrub	3	"
"	"	Laidley	2	"
"	"	Mackay	5	"
"	"	Gladstone	2	"
"	"	Cardwell	1	"
"	"	Gympie road	1	"
"	"	Queensland Northern Railway	1	"
"	"	Pilton	1	"
"	"	Tinana Creek	1	"
"	"	Fernvale	2	"
"	"	Allora	1	"
"	"	Redbank Plains	2	"
"	"	Maryborough	1	"
"	"	Cairns	4	"
"	"	Woodford	7	"
"	"	Port Douglas	1	"
"	"	Townsville	2	"
		Carried forward	745	

## SCHEDULE B—continued.

SCHEDULE of SEEDS DISTRIBUTED by this DEPARTMENT during the SIX MONTHS ended 30th June, 1888, and showing the LOCALITY to which they were sent—continued.

Plant or Seed.	Variety.	Locality where Distributed.	No. of Packages.	Weight of each.
Sorghum	Giant Honduras	Brought forward	745	
"	"	Beenleigh	1	lbs.
"	"	Logan River	2	"
"	"	Mount Gravatt	1	"
"	"	Bowen	1	"
"	"	Cairns	4	"
"	"	Rockhampton	2	"
"	"	Ingham	6	"
"	"	Bundaberg	5	"
"	"	Cardwell	1	8 ozs.
"	"	Port Douglas	2	"
"	"	Herberton	2	"
"	"	Cooktown	3	"
"	"	Townsville	1	"
"	"	Gladstone	2	"
"	"	Allora	1	"
"	"	Mitchell	1	"
"	"	Sydney	1	"
"	"	Tewantin	1	"
"	"	Dalby	1	"
"	"	Caboolture	2	"
"	"	Woodford	1	"
"	"	Harrisville	1	"
"	"	Mooloolah	1	"
"	"	Pimpama Island	1	"
"	"	Redbank Plains	1	"
Arnatto	Bixa orellana	Townsville	1	2 ozs.
"	"	Cooktown	3	"
"	"	Thornborough	1	"
"	"	Bundaberg	4	"
"	"	Cardwell	1	"
"	"	Gladstone	2	"
"	"	Herberton	2	"
"	"	Port Douglas	2	"
"	"	Mitchell	1	"
"	"	Sydney	1	"
"	"	Caboolture	2	"
"	"	Cairns	3	"
"	"	Rockhampton	2	"
"	"	Tewantin	1	"
"	"	Dalby	1	"
"	"	Ingham	7	"
"	"	Woodford	1	"
"	"	Harrisville	1	"
"	"	Spring Creek	1	"
"	"	Gympie	2	"
"	"	Isis Scrub	2	"
"	"	Mackay	6	"
"	"	St. Lawrence	1	"
"	"	Gladstone	2	"
"	"	Cardwell	1	"
"	"	Gympie road	2	"
"	"	Queensland Northern Railway	1	"
"	"	Barcaldine	1	"
"	"	Tinana Creek	1	"
"	"	Fernvale	2	"
"	"	Woodford	7	"
"	"	Townsville	2	"
"	"	Herbert River	1	"
"	"	Redbank Plains	1	"
"	"	Beenleigh	1	"
"	"	Logan Reserve	3	"
"	"	Port Douglas	1	"
"	"	Laidley	4	"
Coffee	Liberian	Mitchell	1	"
"	"	Sydney	1	"
"	"	Mackay	5	"
"	"	Cairns	9	"
"	"	Rockhampton	2	"
"	"	Tewantin	1	"
"	"	Caboolture	4	"
"	"	Port Douglas	4	"
"	"	Harrisville	1	"
"	"	Mooloolah	1	"
"	"	Woodford	8	"
"	"	Ingham	6	"
"	"	Herberton	2	"
		Carried forward	913	



## SCHEDULE B—continued.

SCHEDULE of SEEDS DISTRIBUTED by this DEPARTMENT during the SIX MONTHS ended 30th June, 1888, and showing the LOCALITY to which they were sent—continued.

Plant or Seed.	Variety.	Locality where Distributed.	No. of Packages.	Weight of each.
Coffee	Liberian	Brought forward	913	
"	"	Cardwell	2	2 ozs.
"	"	Gladstone	4	"
"	"	Pimpama Island	1	"
"	"	Cooktown	3	"
"	"	Bundaberg	4	"
"	"	Thornborough	1	"
"	"	Gatton	2	"
"	"	Gympie	3	"
"	"	Laidley	1	"
"	"	Barcaldine	1	"
"	"	Isis Scrub	5	"
"	"	Fernvale	2	"
"	"	St. Lawrence	2	"
"	"	Townsville	2	"
"	"	Beenleigh	1	"
"	"	Logan Reserve	2	"
Barley	Barley	Herberton	1	parcel.

## SUPPLEMENTARY LIST.

Rye	Superior kind	Redbank Plains	Small	quantity
Barley	Self-husking	Mitchell	1	2 lbs.
"	"	Roma	1	"
Chinese Grass Cloth	Boehmeria nivea	Mooloolah	1	parcel
"	"	Mount Gravatt	1	oz.
Wattle	Acacia pycnantha	Buderim Mountain	1	lb.
"	Broadleaf wattle	Kilcoy	1	4 oz.
"	"	Redbank Plains	1	"
"	"	Maroochie	1	"
"	"	Beenleigh	1	"
"	"	Ipswich	1	"
"	"	Ingham	1	"
"	"	Bundaberg	1	"
"	"	Caboolture	1	"
"	Acacia decurrens	"	1	"
"	Black wattle	Bundaberg	1	"
"	"	Ingham	1	"
"	"	Ipswich	1	"
"	"	Beenleigh	1	"
"	"	Maroochie	1	"
"	"	Redbank Plains	1	"
"	"	Kilcoy	1	"
"	"	Buderim Mountain	1	"
Hedge Seed	Duranta plumieri	Coochin Creek	1	lb.
			973	

## SCHEDULE C.

SCHEDULE of SEEDS CONTRIBUTED to the DEPARTMENT of AGRICULTURE for DISTRIBUTION.

Name of Donor.	Name of Plant.	Variety.
School of Agriculture, Dookie, Victoria	Olive truncheons	Olea Europea rubra.
Dr. Bancroft, Brisbane	Barley	Self-husking.
"	"	Small.
"	Wheat	Mixed Indian.
"	"	Red Colorado.
"	"	Colorado No. 67.
"	"	" " 72, soft red.
"	"	" " 88.
"	"	" " 25.
"	"	" " 17.
Conservator of Forests, Adelaide, South Australia	Rye	Superior kind.
"	Wattle	Acacia pycnantha.
"	"	" decurrens.
Secretary, Royal Commission on Vegetable Products, Melbourne, Victoria	Myrabolaus baobul.	
Pearson —, Brisbane	Wheat	English.
Dr. Bancroft	Rice.	
Warner —, New Zealand	Broom millet.	
Henderson, J. B., Kinghorn, Tambourine Mt.	Flour, maize	Japanese.
Town Council, Adelaide	Olive truncheons.	

## SCHEDULE D.

SCHEDULE of SEEDS PURCHASED by the DEPARTMENT of AGRICULTURE for DISTRIBUTION.

From whom Purchased.	Address.	Seed.	Variety.	Quantity.
Joyce Bros. ... ..	Cregmore, Dalby ...	Rust-resisting wheat	{ Indian bearded Indian beardless Indian white }	32 bushels.
School of Agriculture, Dookie	Dookie, Victoria ...	Wheat ... ..	Mexican ... ..	22 bushels.
Henderson, J. ... ..	Tambourine Mountain	Sorghum ... ..	Giant Honduras	1 cwt.
Dick, J. ... ..	Cooktown ... ..	Coffee ... ..	Liberian ... ..	10 lbs.
" ... ..	" ... ..	Arnatto ... ..	Bixa orellana ...	12 "

## SCHEDULE E.

SCHEDULE showing the different SEEDS and PLANTS applied for by the DEPARTMENT of AGRICULTURE.

Plants or Seeds applied for.	Variety.	To whom Application sent.	
Olives ... ..	...	Adelaide Town Council.	
Olive Oil ... ..	...	"	
Olive Berries ... ..	...	School of Agriculture, Dookie, Victoria.	
Para India Rubber Tree	...	Botanic Gardens, Ceylon.	
Nepaul Orange ... ..	Nepaul ... ..	J. Gibson, N.W. Provinces, India.	
Sisu Tree ... ..			
Peanut ... ..	Spanish ... .. 2 new varieties ... ..	J. T. Henderson, Department of Agriculture, Georgia, U.S.A	
Melon ... ..			
Cotton ... ..	China "	Love, Foochow.	
Tea ... ..	Egyptian ... ..	Vilmorin, Andrieux, and Co., Paris, per their agents at Cairo.	
Wheat ... ..	...	"	
Quinoachenopos ... ..	...	"	
Benincasa conifera ... ..	...	"	
Yam ... ..	Chinese bulbs of all species	"	
Aoja ... ..		"	
Stachys ... ..		"	
Dried Ripe Truffles ... ..		"	
Astragalus ... ..		"	
Humulus japonica ... ..		"	
Lotus ... ..		"	
Lucerne ... ..		"	
Melilot ... ..		"	
Pyrethum ... ..		Insecticide ... ..	"
Anthyllis vulneraria ... ..		...	"
Panicum ... ..		Fruentaceum ... ..	"
Evagrostis Abyssinia... ..		...	"
Valonia ... ..		Quercus ægillops ... ..	Department of Agriculture, Melbourne.
Choro-gi ... ..	Stachys tuberifera... ..	Cocking and Co., Yokohama.	

## SCHEDULE F.

SCHEDULE of NEWSPAPERS FILED in DEPARTMENT of AGRICULTURE for REFERENCE.

Name of Paper.	Where Published.	When Published.
Queenslander ... ..	Brisbane ... ..	Every Saturday.
Journal of National Agricultural and Industrial Association	" ... ..	Monthly.
Planter and Farmer ... ..	South Brisbane ... ..	"
American Agriculturist ... ..	751, Broadway, New York ... ..	"
National Live Stock Journal	Chicago ... ..	"
Tropical Agriculturist ... ..	Ceylon ... ..	"
Victorian Farmers' Gazette...	Shepparton, Victoria... ..	Weekly.
Mildura Cultivator ... ..	Mildura, Victoria ... ..	"

Price 6d.]

By Authority: JAMES C. BEAL, Government Printer, William street, Brisbane.