M.R.O. 1—38,000—16-10-20.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No.	966	Press ~~Nil.~~
201-202		
Dated	9th April	1869.

Not to be folded or roughly handled

No. 201. Read the following Proceedings, of the Board of Revenue, dated 12th February 1869, No. 944 :—

Read the following letter from the Acting Collector of South Canara, to the Acting Secretary to the Board of Revenue, dated Mangalore, 13th January 1869, No. 39.

As directed in Board's Proceedings, dated 14th May 1868, No. 3,540, I have the honor to submit, for the information of Government, a report on the experimental cultivation of Carolina paddy in South Canara during the year 1868.

2. As only a few of the experimenters have furnished written reports of their trials, a tabular statement, showing the results of as many experiments as could be ascertained from personal inquiries or otherwise, is appended.

3. Of the four barrels of seed, received from the Board in June last, three were sent to the Tahsildars of Kundapur, Udipi, and Kasargod, for distribution in their respective talooks, and the remaining one was kept in the Huzoor, to be given to such of the ryots and others who applied direct to the Collector, who also took a quantity himself for personal experiment.

4. It will be seen from the above statement that the seed was, as desired by the Board, partly sown broad-cast, and partly transplanted on a variety of soils. I regret, however, to state, that almost all experiments have, with one exception, proved generally unsuccessful; the failure being attributed partly to want of proper care and attention on the part of the culitvators to close planting and sowing, as is usual in the case of the indigenous paddy, &c., and partly to circumstances not under their control. In two or three cases only, the yield was equal to that of the indigenous paddy.

* Board's Proceedings No. 3,515, dated 12th May 1868.

5. Mr. Thomas has, however, been remarkably successful in his own experiment; the out-turn having been as much as seventy-four fold in the case of transplanted seed, though cultivated under circumstances by no means favorable. Copy of a Memorandum left by Mr. Thomas on the result of his experiment is enclosed.

6. Considering the success Mr. Thomas has met with, I am inclined to think, that though the results of most of the experiments hitherto made have been far from encouraging, much more satisfactory returns might, under more favorable circumstances, be obtained even in this district, if only the people were a little more enterprising, and bestowed some care and attention on the cultivation of this rice: the superiority of which over the indigenous species, (which their present experiments have unfortunately failed to excel in point of reproductiveness,) does not seem to be yet sufficiently appreciated by them. They are apparently content with their "Maskatti*" and "Jirasale"

* Alluded to in Government Order, No. 573, dated 8th March 1867.

rice; the first of which, as the Board are aware, is largely grown in, and exported from, this district, and the best sorts of both of which are not much inferior to the Corliana rice in quality.

7. The Tahsildars report that a portion of the seed was reserved for trial with the Suggi or second rice crop, which has not yet been harvested, and the results of which will be reported in due course.

Enclosure No. 1.

Translation of the report of Nagapa Karanta, Potail of Waderhobli, dated 12th November 1868.

On 18th June last, I took 15 lbs. of Carolina paddy seed from the Cutcherry, and had it soaked in water. Having sprouted on the 20th, the seed sown was in a nursery on the same day. In consequence, I think, of there being some chaff and grainless paddy, about one-eight of the seed did not germinate. The seedlings from the remaining seven-eighths were removed and planted in a Majal field, measuring two guntahs in extent, which was previously ploughed six times over and manured with cow-dung. These plants appeared to be two feet high when observed on the 24th August, and three or four shoots had sprung up from each root. On 10th September all were in ears. The crop was reaped on 25th October, and on being threshed, yielded 30 lbs. of paddy. I think the deficiency of yield was owing to insufficiency of water.

Translation of the report of Konappa, Magani Shanabhog of Kadri, dated 31st October 1868.

Of the 4 seers of Carolina paddy seed, given to me from the Cutcherry on the 18th June last, I caused quarter seer to be sown broad-cast in a bail field, and 3¾ seers in a bettu field, as a trial, on the 27th and 21st idem, respectively. Some of the seed was washed away by excessive rain, and thus lost: some being grainless did not germinate; and some more was damaged by the husks having separated from the grain immediately on being soaked. On the 30th there appeared some plants two inches in height. When observed on the 24th July, they were six inches high. The paddy in the bettu field having been without water since August, looked red. On 12th September some plants were in ears and two and a half to three feet high. The crop in the bettu field having ripened, was reaped on the 15th October and threshed, when thirteen measures of paddy were obtained. The paddy sown in the bail field had not been injured, and therefore yielded three seers when harvested on the 20th October. I have sent one seer of paddy for sample by the Ugrani, and kept the remainder for sowing next year.

Translation of the Kundapur Tahsildar's report, dated 31st October 1868, *No.* 236.

112 lbs. and 5 tolas of Carolina paddy were received with your Order, No. 109, on the 16th June.

2. Out of this I kept 27 lbs. and 5 tolas for the Suggi crop as directed, and I distributed 77½ lbs. to ryots, with instructions to sow it on land having command of water.

3. Reports of the experiments made with the seed by the ryots have not yet been received. I shall send for and submit them hereafter.

4. I had myself 7½ lbs. of the seed sown for trial on five guntahs of land.

5. The seed was, according to the custom of this country, soaked in water till it germinated on the fourth day, when I caused at once a double cropped bail field at Kundapur to be ploughed and manured with cow-dung for a nursery, in which the seed was sown on the 20th June. Seedlings were pulled up when one foot high, and planted again in the same field after being ploughed six times over and treated with cow-dung.

6. When observed on the 20th August, the young plants appeared to be two feet high with three or four shoots sprung up from each root. When seen again on the 30th September, they were three feet high, and the ears had fully come out.

7. As this year rice had been cultivated out of season, in consequence of no rain having fallen in the commencement, and as it did not also rain well between the 16th August and 15th September, when it is particularly required by the crop, I felt doubts whether all the trouble I had taken, on account of this experiment, would be lost.

8. The crop was reaped on the 20th October, and when threshed did not yield as much as I expected. Only 55 seers of paddy were obtained which weighed 90 lbs. Though this seed was sown three weeks after the season of cultivating the indigenous paddy had passed, it has still produced an equal quantity, and, as the ears of the former are larger than those of the latter, and contain less grainless seeds, I think that the Carolina seed will, if cultivated in proper season, yield twice as much as the indigenous paddy, and I have resolved to make a trial next year. I caused a small quantity of rice to be prepared from the paddy for trial. It looked as white as the country rice of the first sort, and, as it did not powder so much as the latter usually does in the course of preparation, I consider that the former is preferable.

The ryots of Kundapur Cusbah, Waderhobli, Hemmadi and other villages, having come to know the usefulness of the Carolina paddy, desire to experimentalise with it next year. I will, therefore, distribute to them the seed remaining with me and with the other ryots.

(True Translations.)

(Signed) J. A. C. BOSWELL,
Acting Collector.

ENCLOSURE No. 1.

Statement showing the result of the cultivation of Carolina Paddy in the district of South Canara for 1868.

Number.	Name of Cultivator.	Locality.	Quantity of seed received from the Collector.	Quantity sown or transplanted			How cultivated.	Nature of soil.	Date of		Area occupied by crops.			When cut.	Out-turn.		Height of straw when cut.	Remarks
				Rupees weight.	Mangalore Seers.	Madras Seers.			Sowing.	Transplanting.	Acres.	Guntahs.	Annas.		Mangalore Seers.	Madras Seers.		
1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16	17
	Mangalore Taluk.								1868.					1868.				
1	H. S. Thomas, Esq.	Mangalore	22½	300	6	4	Sown broadcast.	Bottu field	20th June.	.....	...	6	1	14th October.	264	176	5 to 6 feet.	*Vide* accompanying Memorandum.
				90	1½	1	Transplanted	Do.	23rd do.	23rd July.	...	3	10	21th do.	44 fold. 111	74	6 to 6½ feet.	
2	Dalia Chennappa	Attawar village in Kodial Magani.	10½	420	7	4½	Sown broadcast.	Do	26th do.	.....	...	8	4	28th September.	74 fold. 42	28	3 feet...	Failed partially in consequence of many plants having produced "Kannee" (rushes), instead of good stalks.
	Udipi Taluk.																	
3	Kandel Vasu Kamptu	Shivalli Cusbah village.	16½	620	11	7½	Sown broadcast.	Do.	19th June.	.....	...	10	...	12th November.	½	½	.....	Germinated and grew up well till about one month, when almost all plants were destroyed by an insect called "Kandepury."
	Kasargod Taluk.																	
4	Chendarwe Manjunaiya.	Pulikarkor in Kasargod Magani.	7½	210	3½	2½	Sown broadcast.	Majal field	14th do.	.....	...	1	7	13th October	10	6½	3 feet...	
5	Potail Timmappanna.	Alathadi in do.	7½	180	3	2	Do. ...	Bottu field	12th do.	.....	...	...	13	10th do.	14	9½	Do. ...	
6	Jayaramshada Kudraya.	Pulikurool in do.	7½	210	3½	2½	Do. ...	Waste plain	18th do.	.....	...	1	2	3rd do.	4	2½	2 foot...	
7	Stamp Vencar Kudraya.	Do ...	7½	180	3	2	Do ...	Bottu field	14th do.	.....	...	...	7	10th do.	8	5½	1½ feet...	It appears that most of the seeds rotted in some cases did not grow well, in others and in the rest failed to yield more than the indigenous paddy usually does.
8	Karta Kutty	Do. ...	3½	120	2	1½	Do. ...	Hill tract	12th do.	.....	...	...	3	10th do.	2	1½	1 foot...	
9	Purushottama kava Bhatta	Kudla village in do.	7½	180	3	2	Do ...	Majal field	14th do.	.....	...	1	15	11th do.	40	26½	2 feet...	
10	Surla Pearse	Palakorkod in do.	7½	210	3½	2½	Do ...	Do. ...	10th do.	.....	...	1	15	9th do.	10	6½	Do. ...	
11	Chendragiri Kunyimai Kutty.	Chendragiri in Paduvamad Magani.	15	600	10	6½	Do. ...	Do. ...	14th do.	.....	...	2	11	5th do.	40	26½	2½ feet...	
12	Balkere dasean Kanyi	Mallar village in Padi Magani.	7½	180	3	2	Do. ...	Do. ...	11th do.	.....	...	...	13	10th do.	21	14	3 feet ...	

Statement showing the result of the cultivation of Carolina Paddy &c.,—(Concluded.)

Number.	Name of Cultivator.	Locality.	Quantity of seed received from the Collector.	Quantity sown or transplanted.			How cultivated.	Nature of soil.	Date of		Area occupied by crops.			When cut.	Out-turn.		Height of straw when cut.	Remarks.
				Rupees weight.	Mangalore Seers.	Madras Seers.			Sowing.	Transplanting.	Acres.	Guntahs.	Annas.		Mangalore Seers.	Madras Seers.		
1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16	17
13	Kodot Chatu	.....	7½	...	...	...	.....	Have not as yet reported the results of their experiments.										
14	Pannntatte Kanna	.....	7½	...	...	...	.....											
15	Kuntar Vasudeva batta.	.....	5	...	...	...	.....											
	Kundapur Taluk.																	
16	Lakshuman Row, Tahsildar.	Kundapur Cusbah	7½	300	5	3½	Transplanted	Sandy Bettu field.	20th June.	16th July.	...	5	...	20th October.	55	36½	3 feet.	Attributes failure to unseasonable rain-fall, but hopes to succeed better next year.
17	Santhappa	Jaladi Village in Harnad Magani	3	60	1	¾	Do.	Clayey bail field.	21st do.	Do.	...	1	...	Do.	9	6	Do.	Reported to have been injured by excess of water
				60	1	¾		Do. Majal do.	Do.	Do.	...	1	...	Do.	6	10½	Do.	
18	Konappa, Magani Shanabhog.	Kampadi Village in Kadri Magani.	6	15	¼	¼	Sown broad-cast.	Clayey bail field.	27th June.	.....	...	...	4	28th October.	3	2	Do.	
				225	3½	2¼		Do. bettu do.	21st do.	.....	...	3	...	15th do.	13	8½	Do.	Suffered from want of a sufficient supply of water.
19	Subraya Chadga	Vaderhobly Cusbah	7½	300	5	3½	Transplanted.	Sandy bail field.	20th June.	Do.	...	4	...	20th do.	12	8	Do.	
20	Potail Nagappa Karanta.	Do. ...	15	600	1	6½	Do. ...	Do. ...	Do.	Do.	...	2	...	25th do.	20	13½	Do.	Reported to have failed in consequence of close planting.
21	Vakeel Baidur Manjunathaya.	Hemmadi Village.	7½	300	5	3½	Sown broadcast.	Do. bettu do.	22nd do.	.....	...	3	...					These were complete failures, apparently from want of proper care and attention on the part of the cultivators.
22	Vakeel Bijur Krishnaya.	Kundapur in Koteshwar Magani.	18	720	12	8	Do. ...	Do. ...	24th do.	.....	...	8	...					
23	Antonio Joa Manoel Fernandez.	Bodakere Village	7½	300	5	3½	Do. ...	Do. Majal do.	20th do.	.....	...	4	...					
24	Chenmary, Abkarry Contractor.	Paduvari Village.	3	120	2	1½	Do. ...	Bettu field with a mixture of sand and clay.	23rd do.	.....	...	2	...					
52	Potail Tirkai Karanta	Devalli do. ...	15	600	10	6½	Do. ..	Do. ...	24th do.	.....	...	6	...					

MANGALORE,
13*th January* 1869.

(Signed) J. A. C. BOSWELL,
Acting Collector.

Proceedings of the Madras Government, Revenue Department, 9th April 1869.

ENCLOSURE No. 1.

Report on experimental cultivation of Carolina Paddy.

WHILE reporting my last year's failure, I was rash enough to promise the Board that this year's experiment should be a success. It is under the circumstances fortunate, therefore, that I have been able to make it so.

2. The Board and Government desired Collectors to follow the plan of sowing broad-cast without transplanting, but I was anxious to try both plans. The transplanted crop has given the better return of the two, and that though it was not free from "Kanne" (growing to rush), and was unavoidably transplanted late in the season.

3. The paddy sown broad-cast was purposely sown sparingly, but it was still too thick. Indeed, it is difficult to sow it sufficiently sparingly; so that I am in favor of transplanting as the more economical of seed.

4. The seed was received too late again to have the full benefit of the season, but its lateness affected the transplanted more than the other crop.

5. The land was close to the road-side and near the Court-houses, so that it attracted the attention of many passers-by, as it stood higher and thicker than any of the surrounding crops: so much so that it is said to have suffered from the many admiring eyes that fell upon it; for when one portion was scorched up and killed by the drainage from an adjoining hut, it was gravely asserted that it was the natural consequence of my having overlooked the most ordinary precaution of averting the evil eye by the erection of the usual speckled potsherd.

19th November 1868.

(Signed) H. S. THOMAS,
Acting Collector

(True Copy.)

(Signed) J. A. C. BOSWELL,
Acting Collector

SUBMITTED for the information of Government, with reference to Government Order, dated 20th April 1868, No. 1,938.

2. The Board are glad to learn that Mr. Thomas's experiment has been attended with such marked success, and agree with the Acting Collector that the failure of the other experiments is mainly owing to proper care and attention not having been given to the cultivation of the plant.

No. 202.

ORDER THEREON, 9th April 1869, No. 966.

Miscellaneous.

ORDERED to be recorded.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Board of Revenue.

Exd. E. C. Shunker.

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(Signed) H. S. THOMAS,
Acting Collector.

19th November 1868. (True Copy.) (Signed) J. A. C. BOSWELL,
Acting Collector.

SIR,

With reference to Government Order, dated 9th April 1868, No. 1,038.

2. The Board are glad to learn that Mr. Thomas's experiment has been attended with such marked success, and agree with the Acting Collector that the failure of the other experiments is mainly owing to proper care and attention not having been given to the cultivation of the plant.

(True Copies and Extract.) W. Elliott
Acting Secretary.

To the Acting Secretary to Government, Rev. Dept.

Copy to the Collector of South Canara.

Ed. F. Bantleman.

Govt. of {1869} Madras.

REVENUE.

To

THE BOARD OF REVENUE.

Dated April, 9th.

Recd. Encl.

G. O., 9th April 1869, No. 966.

APRIL.

Nos. 201-202.

Carolina Paddy.—Report of its experimental cultivation in the District of South Canara, recorded.

Revenue Cons.
No. 539.

BOARD OF REVENUE, MADRAS.
1869.

PROCEEDINGS, 12TH FEBRUARY 1869, No. 944.

Encl.

Received

FEBRUARY.
No. 944.

Cultivation of Carolina Paddy—in South Canara District,—Report from Collector, on, submitted to Government, with remarks.

RECORDED.