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AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

DATE: 7/13/87

MEMORANDUM

TO: AID/PPC/CDIE/DI, room 209 SA-18

FROM: AID/SCI, Victoria Ose

SUBJECT: Transmittal of AID/SCI Progress Report(s)

Attached for permanent retention/proper disposition is the following:

AID/SCI Progress Report No. 5 243 #21

Attachment

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PD-AAW-324

5 243

PROGRESS REPORT

PROGRESS REPORT No. 2

(Nov. 1986 - Apr. 1987)

COLLECTION AND UTILIZATION OF TAMARIND GERMPLASM

A RESEARCH PROJECT

GRANT No. 936-5542-G-00-6026-00

SUBMITTED BY

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Project Profile

Country : Thailand

Grant No. : 936-5542-G-00-6026-00

Program : Program on Science and Technology Cooperation

Project Title : "Collection and Utilization of Tamarind Germplasm. ε. Germplasm Collection."

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Project Consultants :

Authorized Officer : Dr.Somporn Bothinam MD.

Total Project Budget : US $ 150,000.

Project Duration : 3 years.

Reporting Period : Nov.1986 - Apr.1987.

Budget Allocation for This Period : ฿ 579,173.50

Contents

		Page
1.	Background / Introductions :	1
2.	Objectives :	2
3.	Materials and Methods :	2
4.	Results / Discussion / Tables :	2
5.	Conclusion / Remarks :	10
6.	Workplan for the Next Period :	10
7.	References :	12
8.	Annex / Pictures :	13

1. Background / Introductions :

Tamarind (*Tamarindus indica* L.) is indiginous to the dry savanna of tropic Africa. It has been widely grown in Thailand from sea level up to 2,000 metres. Most people consider it to be " native " to the Kingdom and the pulp has been used by the Thai in their daily lives eg. for culinary , beverage and medicinal purposes.

Great genetic diversity has been observed in tamarind types in Thailand. Owing to the recent rural and agricultural development resulting " genetic erosion " at an alarming rate for various crops in the country including tamarind. The number of good germplasms has decreased drastically. So that the germplasm collection should be urgently carried out and systematically screened for further evaluation.

2. Objectives :

1) To search the tamarind germplasm (both sweet and sour).

2) To select and develop rootstock.

3. Materials and Methods :

The step of germplasm collection has been carried out through the provincial agricultural extension officers by means of pod competition and specimen collection. These pod specimens have been selected for accessions by using RV-formular (Real Value of pulp = Pulp Wt. x %Pulp Wt. / 100). The value of RV at above 10 is adopted as a criterion.(Feungchan et al ; 1986)

4. Results / Discussion / Tables :

The collecting mission undertook the specimens collection through the collaboration with provincial agricultural extension officers throughout the country during October 1986 - February 1987. We received a good response from them by sending us the specimens which obtained from competition and collection. However , some provinces informed that the collected specimens were under a primary criteria (no. of pod per kilogram more than 30 pods). So those such specimens were discarded.

The table 1 has shown that the number of 689 specimens were collected from 9 provinces in the Northeast of Thailand,1986 and from these specimens , the number of 23 accessions were selected in table 3 based on Real Value of pulp at above 10. Similary to the data in table 2 and 4 the number of 21 accessions were derived from 1,122 specimens in table 2. Also in table 5 , the number of 7 selected accessions were obtained from competition. It notices that the excellent accession has a high Real Value of pulp at 21 and the number of pod is about 13 - 15 pods per kilogram. Most of accessions were found in the provinces along the Me Kong River as shown in Fig. 1. Beside this the sweet tamarind specimens were also collected.

Table 1 Number of specimens collected in 1986

Name of provinces	Sour type			Sweet type		
	No. of specimens from competition	No. of specimens from collection	No. of selected specimens for analysed	No. of specimens from competition	No. of specimens from collection	No. of selected specimens for analysed
1. Roi Et	-	55	55	-	-	-
2. Buri Ram	-	70	70	-	-	-
3. Chaiyaphum	-	41	41	-	-	-
4. Loei	-	96	96	-	-	-
5. Mukdahan	-	203	203	-	-	-
6. Nakhon Ratchasima	-	42	42	-	-	-
7. Nong Khai	-	85	85	-	-	-
8. Sakon Nakhon	-	92	92	-	-	-
9. Udon Thani	-	5	5	-	-	-
Total	-	689	689	-	-	-

Note - specimens obtained in form of pods.

Table 2 Number of specimens collected in 1987

Name of regions and provinces	Sour type			Sweet type		
	No. of specimens from competition	No. of specimens from collection	No. of selected specimens for analysed	No. of specimens from competition	No. of specimens from collection	No. of selected specimens for analysed
North-Eastern						
1. Nong Khai	59	-	7	25	-	4
2. Nakhon Ratchasima	95	-	-	-	-	-
3. Udon Thani	85	21	-	-	-	-
4. Mukdahan	116	-	31	86	-	4
5. Kalasin	61	-	11	21	-	3
6. Ubon Ratchathani	144	-	84	176	-	6
7. Yasothon	78	-	18	-	-	-
8. Roi Et	-	3	3	-	-	-
9. Maha Sarakham	31	-	7	-	-	-
10. Nakhon Phanom	-	17	17	-	-	-
11. Sakon Nakhon	-	55	55	-	-	25
12. Loei	50	-	-	6	-	-
Northern						
1. Phetchabun	15	-	8	151	-	-
2. Phichit	-	1	1	-	-	-
3. Chiang Rai	142	5	-	-	-	-
4. Phitsanulok	76	-	-	-	-	-
Central Plain						
1. Nonthaburi	-	20	-	-	-	-
2. Nakhon Pathom	-	25	25	-	-	-
3. Samut Sakhon	-	4	4	-	-	-
4. Sing Buri	-	1	1	-	-	-
Southern						
1. Satun	-	3	3	-	-	-
2. Phuket	-	8	8	-	-	-
3. Phatthalung	-	7	-	-	-	-
Total	952	170	283	465	-	42

Note - specimens obtained in form of pods.

Table 3 Physical characters of sour tamarind pod used as primary criteria for accession selection from 689 specimens in 1986

Code	Ave. Wt. of pod (gm)	No. of pod/kg.	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Rank
86-2-13-001	77.83	12.85	40.80	52.4250	21.3894	1
86-2-13-019	83.18	12.02	36.70	44.1210	16.1924	2
86-2-13-018	78.86	12.68	35.51	45.0360	15.9923	3
86-2-08-095	32.92	30.38	22.31	67.7700	15.1195	4
86-2-13-020	58.03	17.23	29.21	50.3461	14.7061	5
86-2-08-038	22.92	43.63	18.20	79.4070	14.4521	6
86-2-13-015	57.98	17.25	28.13	48.5240	13.6498	7
86-2-13-008	50.59	19.77	26.17	51.7360	13.5393	8
86-2-13-002	53.33	18.75	26.70	50.0700	13.3687	9
86-2-13-009	61.73	16.20	27.03	43.7900	11.8364	10
86-2-08-077	41.69	23.99	22.19	53.2200	11.8095	11
86-2-13-017	53.40	18.73	24.93	46.6760	11.6363	12
86-2-13-011	54.84	18.23	25.20	45.9520	11.5799	13
86-2-08-028	50.78	19.69	24.18	47.6120	11.5126	14
86-2-13-004	51.19	19.54	24.21	47.2940	11.4499	15
86-2-08-008	51.73	19.33	29.28	46.9310	13.7414	16
86-2-08-047	45.40	22.03	22.68	49.9560	11.3300	17
86-2-13-005	38.72	25.83	20.73	53.5380	11.0984	18
86-2-08-178	47.15	21.21	22.40	47.5080	10.6418	19
86-2-08-083	43.71	22.88	21.38	48.9090	10.4567	20
86-2-08-183	38.42	26.03	19.96	51.9520	10.3696	21
86-2-08-016	47.54	21.03	21.93	46.1290	10.1161	22
86-2-13-014	73.68	13.57	27.20	36.9190	10.0420	23

R.V.* = % Pulp Wt. x Pulp Wt. / 100

Table 4 Physical characters of sour tamarind pod used as primary criteria for accession selection from 283 specimens in 1987

Code	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Rank
87-2-08-003	600.00	60.00	16.67	32.50	54.1667	17.6042	1
87-1-11-004	610.80	61.08	16.37	32.36	52.9797	17.1442	2
87-3-09-003	264.50	26.45	37.81	21.03	79.5085	16.7206	3
87-2-08-027	551.00	55.10	18.15	28.60	51.9056	14.8450	4
87-2-17-021	515.20	51.52	19.41	27.60	53.5714	14.7857	5
87-2-09-017	509.50	50.95	19.63	27.20	53.3857	14.5209	6
87-1-11-003	501.00	50.10	19.96	26.64	53.1737	14.1655	7
87-2-17-049	468.80	46.88	21.33	24.30	51.8345	12.5958	8
87-2-08-025	450.71	45.07	22.19	23.75	52.6946	12.5150	9
87-2-17-011	475.55	47.56	21.03	24.24	50.9726	12.3557	10
87-2-08-007	354.05	35.41	28.24	20.59	58.1556	11.9742	11
87-2-17-009	455.10	45.51	21.97	23.18	50.9339	11.8065	12
87-2-08-005	555.00	55.50	18.02	25.50	45.9459	11.7162	13
87-2-17-016	331.55	33.16	30.16	19.52	58.8750	11.4924	14
87-2-08-014	507.03	50.70	19.72	24.11	47.5514	11.4646	15
87-2-17-008	441.60	44.16	22.64	22.46	50.8605	11.4233	16
87-3-20-002	323.17	32.32	30.94	18.99	58.7616	11.1588	17
87-2-08-023	538.80	53.88	18.56	23.95	44.4506	10.6459	18
87-2-17-026	378.40	37.84	26.43	19.89	52.5634	10.4549	19
87-2-01-007	407.40	40.74	24.55	20.59	50.5400	10.4062	20
87-4-13-003	430.00	43.00	23.26	21.01	48.8605	10.2656	21

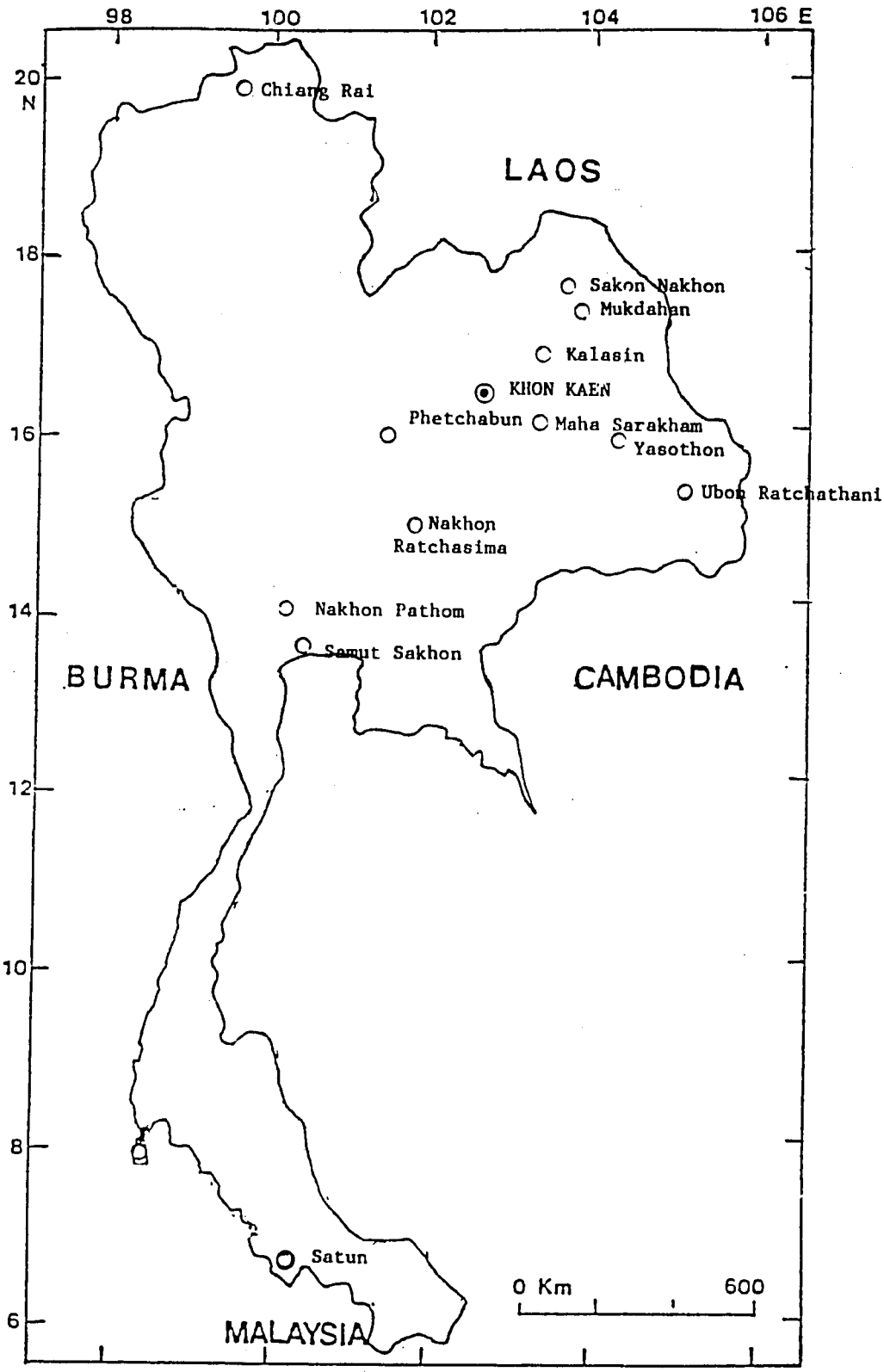
R.V.* = % Pulp Wt. x Pulp Wt. / 100

Table 5 Selected accession based on Real Value of pulp at above 10 as a criterion from the specimens of pod competition in 1987

Code	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Rank
87-2-01-035	-	-	-	-	-	20.2000	1
87-2-01-029	-	-	-	-	-	18.3900	2
87-1-02-001	-	-	-	-	-	17.9800	3
87-1-02-002	-	-	-	-	-	15.0000	4
87-1-02-003	-	-	-	-	-	12.0000	5
87-1-02-004	-	-	-	-	-	11.2800	6
87-1-02-005	-	-	-	-	-	10.8000	7

R.V.* = % Pulp Wt. x Pulp Wt. / 100

Fig. 1 The distribution of Tamarind accessions.



12

5. <u>Conclusion / Remark</u> :

1) A total of 1,811 specimens were collected in 1986 and 1987 and out of these specimens , 51 accessions were selected for further evaluation.

2) Tamarind accessions distribute in all the regions of the country but most of them are found along the Me Kong River.

6. <u>Workplan for the Next Period</u> :

6.1 Testing of Germplasm

6.1.1 Biomass study

- To study the growth of plant both in the field and containers.

6.1.2 Fruit study

- To observe the accession mother plants at the original sites.
- To test the accession grafted plants in the field and containers.

6.2 Rootstock study

6.2.1 The search for dwarf rootstock

- To search and test the untended dwarf phenotypic expression.

6.2.2 The search for rootstock plants other than tamarind rootstock

- To collect and test the other closely related species to tamarind for rootstock studies including nodulation leguminous plants.

6.2.3 Chemical treatment for the production of dwarf rootstock

6.3 Rhizobium studies

- To study the inoculation and isolation of Rhizobium from tamarind.

6.4 Cultural practice and Demonstration

- To study the effect of plant regulators on fruit setting and others.
- To control the pod shell cracking of sweet tamarind.

7. **Reference** :

Feungchan , S ; T. Yimsawat ; S. Chindaprasert and P. Kitpowsong. 1986. Collection and Utilization of Tamarind Germplasm. Progress report No. 1 (May - October , 1986).

15

Annex / Picture

Fig. 1 Sweet tamarind fair at Phetchabun , 1987.

Fig. 2 Tamarind specimens for competition on display , 1987.

Fig. 3 Judging tamarind specimens at Nakhon Ratchasima, 1987.

Fig. 4 Tamarind specimens preparation in judging process.

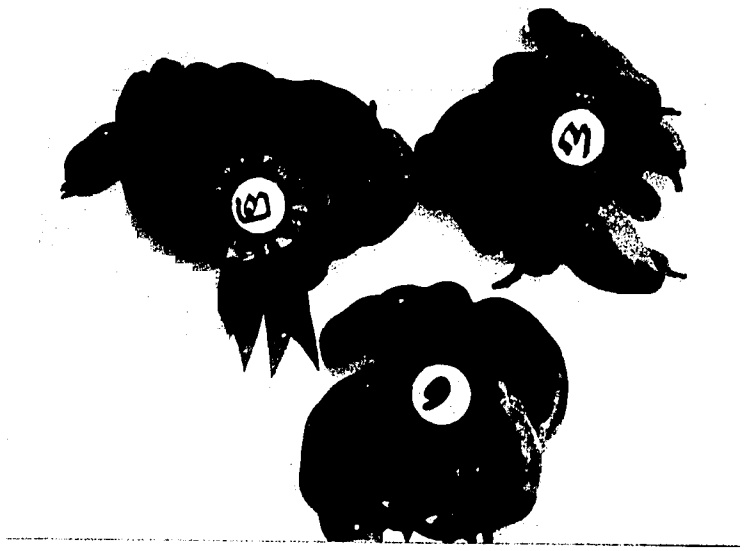


Fig. 5 First , second and third prize winner of sour tamarind at Nakhon Ratchasima , 1987.

Fig. 6 First , second and third prize winner of sweet tamarind at Ubon Ratchathani , 1987.

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Table 1 Detail data of 689 sour tamarind specimens , 1986.

NOI-ET (55 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of veins(gm)	% Wt. of veins	Wt. of seed (gm)	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	-	-	378.33	37.83	26.43	21.58	2.18	1.81	124.06	7.00	18.5020	-	-	-	11.83	13.05	34.4940	16.03	42.3780	5.7915	-	-	-	
2	Half circular	-	-	211.50	21.15	47.28	17.75	2.32	1.56	64.01	3.93	18.0850	-	-	-	9.25	8.10	38.2980	6.95	32.8610	2.2838	-	-	-	
3	Straight	-	-	337.86	33.79	29.60	20.21	2.86	1.94	112.37	8.09	23.9320	-	-	-	9.43	9.57	28.3280	13.13	38.8590	5.1018	-	-	-	
4	Half circular	-	-	156.14	15.61	64.05	13.51	1.34	1.51	39.54	4.14	26.5340	-	-	-	9.33	6.09	38.9780	5.76	36.8710	2.1227	-	-	-	
5	Straight	-	-	222.20	22.22	45.00	13.10	2.86	1.75	65.38	4.76	21.4220	-	-	-	9.60	6.98	31.4130	9.32	41.9440	3.9092	-	-	-	
6	Half circular	-	-	299.40	29.94	33.40	19.00	2.06	1.79	103.85	6.80	22.7120	-	-	-	9.20	9.90	33.0660	11.62	38.8110	4.5098	-	-	-	
7	Half circular	-	-	452.57	45.26	22.10	23.57	3.39	1.84	147.30	9.67	21.3690	-	-	-	10.43	11.10	24.5270	20.00	44.1920	8.8384	-	-	-	
8	Half circular	-	-	187.14	18.71	53.44	15.07	2.41	1.66	60.27	4.64	24.8100	-	-	-	7.57	6.73	35.9570	6.60	35.2830	2.3277	-	-	-	
9	Straight	-	-	142.00	14.20	70.42	14.00	2.39	1.72	57.44	4.26	29.9790	-	-	-	7.57	6.13	43.1620	6.00	42.2549	2.5352	-	-	-	
10	Half circular	-	-	217.57	21.76	45.96	16.14	2.65	1.51	64.61	4.37	20.0900	-	-	-	8.71	7.39	33.9480	9.30	42.7450	3.9753	-	-	-	
11	Half circular	-	-	188.30	18.83	53.11	14.65	2.41	1.66	58.48	4.35	23.1010	-	-	-	7.80	7.12	37.8120	6.67	35.4220	2.3626	-	-	-	
12	Straight	-	-	235.78	23.58	42.41	16.11	2.59	1.71	71.41	4.81	20.4050	-	-	-	8.67	9.12	38.6890	8.56	36.2980	3.1048	-	-	-	
13	Half circular	-	-	221.10	22.11	45.23	17.80	2.58	1.47	67.15	4.52	20.4430	-	-	-	8.90	7.48	33.8310	9.23	41.7460	3.8532	-	-	-	
14	Half circular	-	-	218.00	21.80	45.87	16.44	2.70	1.51	66.95	4.51	20.7010	-	-	-	8.38	7.45	34.1740	8.80	40.3670	3.5523	-	-	-	
15	Half circular	-	-	256.71	25.67	38.95	15.64	2.80	1.73	75.60	5.91	23.0380	-	-	-	8.71	7.81	30.4190	10.99	42.7950	4.7015	-	-	-	
16	Half circular	-	-	258.80	25.88	38.64	17.05	2.84	1.68	81.01	5.96	23.0290	-	-	-	10.10	8.03	31.0280	10.49	40.5330	4.2519	-	-	-	
17	Half circular	-	-	315.00	31.50	31.75	19.29	2.92	1.72	96.56	6.96	22.0860	-	-	-	11.71	10.11	32.1080	12.53	39.7750	4.9834	-	-	-	
18	Half circular	-	-	303.63	30.36	32.93	18.43	3.25	1.73	103.80	6.45	21.2430	-	-	-	7.50	8.33	27.4180	13.73	45.2030	6.2041	-	-	-	
19	Straight	-	-	126.43	12.64	79.10	9.79	2.30	1.59	35.73	2.77	21.9170	-	-	-	5.00	4.17	32.9910	5.37	42.4820	2.2817	-	-	-	
20	Half circular	-	-	225.29	22.53	44.39	14.50	2.90	1.91	80.23	4.90	21.7490	-	-	-	6.43	6.77	30.0550	9.63	41.1430	3.9617	-	-	-	
21	Half circular	-	-	240.71	24.07	41.54	17.36	2.57	1.73	77.17	5.44	22.6120	-	-	-	9.29	7.09	29.4380	9.16	38.0410	3.4834	-	-	-	
22	Straight	-	-	207.67	20.77	48.15	12.47	2.42	1.95	59.02	4.18	20.1430	-	-	-	7.83	6.73	23.4220	9.32	44.8640	4.1800	-	-	-	
23	Straight	-	-	251.33	25.13	39.79	14.06	2.82	1.73	68.29	4.59	18.2590	-	-	-	7.11	7.67	30.5060	10.37	41.2490	4.2763	-	-	-	
24	Half circular	-	-	180.00	18.00	55.56	13.50	2.51	1.52	51.33	4.16	23.1280	-	-	-	8.13	6.90	38.3330	6.20	34.4440	2.1355	-	-	-	
25	Half circular	-	-	331.50	33.15	30.17	16.33	3.52	2.29	131.75	6.15	18.5520	-	-	-	7.33	8.92	26.8990	16.02	48.3170	7.7389	-	-	-	
26	Half circular	-	-	249.17	24.92	40.13	19.00	3.04	1.79	97.90	5.28	21.2020	-	-	-	8.17	8.63	34.6470	9.42	37.7930	3.5590	-	-	-	
27	Straight	-	-	205.63	20.56	48.63	13.56	2.28	1.70	52.73	3.78	18.4210	-	-	-	10.50	7.28	35.3790	8.08	39.2650	3.1710	-	-	-	
28	Half circular	-	-	151.50	15.15	66.01	13.13	2.15	1.68	47.23	3.94	2.5380	-	-	-	6.88	5.35	34.4800	5.43	34.9700	1.8972	-	-	-	
29	Half circular	-	-	304.22	30.42	32.87	20.78	2.68	1.76	97.99	7.06	23.1940	-	-	-	11.11	10.08	33.1270	10.64	34.9880	3.7241	-	-	-	
30	Straight	-	-	170.38	17.04	58.69	12.50	2.33	1.60	45.57	3.46	20.3250	-	-	-	7.00	5.26	30.8890	6.80	39.9100	2.7139	-	-	-	
31	Half circular	-	-	184.44	18.44	54.22	14.44	2.44	1.53	54.08	3.79	20.5430	-	-	-	8.11	5.60	30.3620	6.84	37.0910	2.5385	-	-	-	
32	Half circular	-	-	218.22	21.82	45.83	16.06	2.55	1.68	69.03	3.73	17.1070	-	-	-	8.56	6.56	30.0430	8.01	36.7110	2.9409	-	-	-	
33	Half circular	-	-	199.33	19.93	50.17	14.33	3.14	1.48	66.75	4.30	21.5720	-	-	-	6.00	6.47	32.4440	7.45	37.3750	2.7844	-	-	-	
34	Half circular	-	-	310.00	31.00	32.26	19.17	2.90	1.76	97.64	5.68	18.3320	-	-	-	9.50	8.72	28.1190	11.28	36.3970	4.1067	-	-	-	
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	Half circular	-	-	156.56	15.66	63.87	12.67	2.34	1.70	50.33	3.35	21.3980	-	-	-	6.67	4.63	29.5920	5.06	32.2940	1.6328	-	-	-	
37	Half circular	-	-	308.56	30.86	32.41	20.56	3.12	1.72	110.64	5.63	18.4370	-	-	-	10.56	9.30	30.1400	11.39	36.9100	4.2037	-	-	-	
38	Straight	-	-	313.43	31.34	31.91	17.64	3.10	1.92	104.66	5.57	17.7740	-	-	-	10.71	10.19	32.4380	12.64	40.3380	5.0999	-	-	-	
39	Half circular	-	-	353.14	35.31	28.32	15.14	3.28	1.83	91.03	5.94	16.8296	-	-	-	11.71	11.76	33.2930	13.06	36.9740	4.8277	-	-	-	
40	Half circular	-	-	184.32	18.43	54.25	13.68	2.96	1.71	66.18	3.92	21.2490	-	-	-	6.17	4.53	24.5920	7.90	42.8580	3.3858	-	-	-	
41	Straight	-	-	180.25	18.03	55.48	14.81	2.43	1.47	52.86	3.49	19.3510	-	-	-	9.25	6.60	36.6160	6.21	34.4590	2.1416	-	-	-	
42	Half circular	-	-	261.14	26.11	38.29	19.36	2.51	1.64	79.26	4.90	18.7640	-	-	-	10.43	8.47	32.4390	10.66	40.8000	4.3490	-	-	-	
43	Half circular	-	-	229.75	22.98	43.53	15.46	2.77	1.79	76.82	4.31	18.7730	-	-	-	7.75	7.09	30.8510	10.00	43.5250	4.3525	-	-	-	
44	Half circular	-	-	318.17	31.82	31.43	18.50	3.01	1.88	104.68	6.50	14.1430	-	-	-	10.33	10.55	33.1580	14.52	45.6270	6.6237	-	-	-	
45	Half circular	-	-	260.00	26.00	38.46	15.20	2.70	1.81	74.08	5.04	19.3850	-	-	-	9.80	8.36	32.1570	10.24	39.3850	4.0210	-	-	-	

MOI-ET (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed (gm)	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
46	Straight	-	-	265.25	20.53	48.72	14.50	2.74	1.61	64.[illegible]	[illegible].68	17.9050	-	-	-	7.00	7.40	36.0540	8.18	39.8290	3.2560	-	-	-	
47	Straight	-	-	208.25	20.83	48.02	14.63	2.38	1.55	54.00	4.88	23.4090	-	-	-	11.50	7.75	37.2150	6.84	33.0130	2.2696	-	-	-	
48	Half circular	-	-	157.[illegible]	15.78	63.37	11.90	2.16	1.64	42.08	2.92	18.5040	-	-	-	8.60	5.62	35.6150	5.74	36.5750	2.0994	-	-	-	
49	Half circular	-	-	240.20	24.02	41.63	16.40	2.74	1.65	74.34	4.08	16.9860	-	-	-	8.60	7.54	31.3910	9.64	40.1330	3.8688	-	-	-	
50	Half circular	-	-	321.40	32.14	31.11	18.80	2.88	1.87	101.18	6.72	19.0420	-	-	-	8.60	8.12	25.2640	15.42	47.9780	7.3992	-	-	-	
51	Half circular	-	-	256.67	25.67	37.50	18.58	2.79	1.57	81.37	5.98	22.4350	-	-	-	10.67	8.27	31.0010	10.70	40.1240	4.2933	-	-	-	
52	Half circular	-	-	282.83	28.29	35.36	19.00	2.71	1.68	86.23	5.63	19.9170	-	-	-	9.83	8.55	30.2300	11.45	40.4840	4.6354	-	-	-	
53	Half circular	-	-	347.80	34.78	28.75	19.40	3.08	1.82	108.83	6.36	18.2860	-	-	-	10.60	10.32	29.6720	14.74	42.3810	6.2470	-	-	-	
54	Half circular	-	-	273.67	27.37	36.54	18.50	2.77	1.69	86.41	4.80	14.5390	-	-	-	9.50	8.05	29.4150	12.00	43.8460	5.2618	-	-	-	
55	Half circular	-	-	275.17	27.52	36.34	16.58	2.78	1.93	89.01	5.63	20.4710	-	-	-	10.50	9.42	34.2220	9.62	34.9490	3.3610	-	-	-	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
**Volume = Length x Width x Thickness

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BUNIRAM (70 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	-	-	185.86	18.59	53.80	12.86	2.49	1.81	57.87	3.99	21.4460	-	-	8.14	6.14	33.0520	7.69	41.3540	3.1785	-	-	-	
2	Straight	-	-	156.71	15.67	63.81	10.43	2.59	1.79	48.33	3.70	23.6100	-	-	6.57	5.30	33.8200	7.29	46.4940	3.3876	-	-	-	
3	Half circular	-	-	153.43	15.34	65.18	12.57	2.48	1.68	52.18	3.07	20.0160	-	-	7.14	6.17	40.2200	6.22	40.8720	2.5631	-	-	-	
4	Straight	-	-	153.00	15.30	65.36	12.63	2.06	1.54	43.20	4.09	26.7190	-	-	7.63	4.81	31.4580	5.89	38.4840	2.2659	-	-	-	
5	Half circular	-	-	236.43	23.64	42.30	17.85	2.63	1.69	79.35	4.57	19.3330	-	-	9.00	8.96	37.8840	9.14	38.6710	3.5357	-	-	-	
6	Half circular	-	-	438.75	43.88	22.79	22.00	3.64	2.03	162.15	8.70	19.8250	-	-	9.80	12.94	29.4930	18.20	41.4810	7.5435	-	-	-	
7	Straight	-	-	161.67	16.17	61.85	13.75	2.63	1.69	61.14	3.78	23.3990	-	-	6.67	5.87	36.2890	6.95	42.9890	2.9877	-	-	-	
8	Half circular	-	-	173.67	17.37	57.58	13.53	2.41	1.52	49.86	3.65	21.0170	-	-	7.83	6.25	35.9880	7.82	45.0110	3.5185	-	-	-	
9	Straight	-	-	112.57	11.26	88.83	9.93	2.27	1.65	37.21	2.67	23.7270	-	-	5.00	3.99	35.4090	4.96	44.0350	2.1828	-	-	-	
10	Straight	-	-	153.00	15.30	65.36	13.13	2.17	1.48	42.10	3.28	21.4050	-	-	7.75	5.68	37.0920	6.00	39.2160	2.3530	-	-	-	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Straight	-	-	199.38	19.94	50.16	16.06	2.52	1.66	67.42	4.10	20.5640	-	-	10.13	7.29	36.5530	8.18	41.0020	3.3519	-	-	-	
13	Straight	-	-	109.25	10.93	91.53	10.13	2.27	1.71	39.28	2.20	20.1370	-	-	5.50	5.23	47.8260	3.10	28.3750	0.8796	-	-	-	
14	Half circular	-	-	227.63	22.76	43.93	14.75	2.48	1.70	62.41	4.74	20.8140	-	-	9.00	8.68	38.1100	8.81	38.7160	3.4120	-	-	-	
15	Half circular	-	-	194.00	19.40	51.55	15.00	2.24	1.65	55.26	4.17	21.4790	-	-	8.33	6.02	31.0150	8.83	45.5310	4.0218	-	-	-	
16	Straight	-	-	181.90	18.10	55.25	11.52	2.54	1.75	51.34	4.18	23.1100	-	-	7.50	6.60	36.4640	6.85	37.8450	2.5924	-	-	-	
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	Straight	-	-	190.75	19.08	52.42	12.31	2.29	1.74	48.96	3.73	19.5280	-	-	7.50	6.75	35.3870	7.30	38.2590	2.7936	-	-	-	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	Straight	-	-	164.33	16.43	60.85	11.25	2.84	1.68	53.69	3.28	19.9780	-	-	6.00	5.10	31.0350	7.42	45.1350	3.3477	-	-	-	
21	Half circular	-	-	162.75	16.28	61.44	15.15	2.60	1.56	61.67	3.48	21.3620	-	-	8.63	7.65	47.0000	6.89	42.3230	2.9152	-	-	-	
22	Half circular	-	-	285.33	28.53	34.55	16.67	3.02	1.86	93.73	4.97	17.1670	-	-	9.67	8.78	30.3560	11.87	41.0150	4.8673	-	-	-	
23	Straight	-	-	136.88	13.69	73.06	12.25	2.12	1.55	41.22	3.11	22.7430	-	-	7.25	5.01	36.6230	5.18	37.8070	1.9565	-	-	-	
24	Half circular	-	-	137.80	13.78	72.57	12.80	2.62	1.62	54.12	2.92	21.1500	-	-	5.60	5.30	38.4620	5.34	38.7520	2.0694	-	-	-	
25	Straight	-	-	273.80	27.38	35.52	15.00	2.68	1.68	72.01	5.00	18.2620	-	-	9.83	8.22	30.0110	11.12	40.6020	4.5138	-	-	-	
26	Half circular	-	-	157.23	15.73	63.56	12.59	2.32	1.64	47.93	3.65	23.1990	-	-	7.50	5.58	35.4860	5.90	37.1450	1.8376	-	-	-	
27	Straight	-	-	185.57	18.56	53.89	15.07	2.56	1.53	58.97	3.83	20.6340	-	-	7.43	6.23	33.5670	8.46	45.5730	3.8541	-	-	-	
28	Half circular	-	-	157.57	15.76	63.45	12.00	2.44	1.65	48.45	3.14	19.9470	-	-	6.62	5.58	35.4320	6.47	41.0420	2.6542	-	-	-	
29	Straight	-	-	217.50	21.75	45.98	15.37	2.50	1.66	63.62	5.02	23.0670	-	-	8.00	7.13	32.7950	8.57	39.3950	3.3745	-	-	-	
30	Straight	-	-	105.55	10.55	94.79	8.83	2.53	1.85	42.31	2.37	22.4360	-	-	3.17	3.22	30.4930	4.85	45.9720	2.2296	-	-	-	

BURIRAM (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell (gm)	% Wt. of shell	Wt. of vein (gm)	% Wt. of vein	No. of seed	Wt. of seed (gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
31	Half circular	-	-	195.75	19.58	51.09	12.56	2.56	1.72	55.28	4.41	22.5440	-	-	7.25	5.94	30.3350	8.16	41.7010	3.4041	-	-	-	
32	Half circular	-	-	149.38	14.94	67.39	12.53	2.53	1.64	52.42	3.34	22.4960	-	-	7.13	5.43	36.5620	5.91	39.8500	2.3563	-	-	-	
33	Straight	-	-	198.57	19.85	50.36	14.00	2.74	1.65	63.31	3.69	18.5630	-	-	8.14	6.26	31.5100	9.11	45.8980	4.1831	-	-	-	
34	Half circular	-	-	189.38	18.94	52.80	12.63	2.65	1.75	58.54	5.43	28.6460	-	-	6.75	6.10	32.2100	6.20	32.7380	2.0258	-	-	-	
35	Half circular	-	-	154.00	15.40	64.94	13.50	2.35	1.50	47.53	3.67	23.8120	-	-	8.83	6.62	42.9680	6.23	40.4000	2.5181	-	-	-	
36	Straight	-	-	208.63	20.86	47.93	13.01	2.55	2.10	69.90	4.04	19.3550	-	-	6.63	6.16	30.4590	7.99	38.2830	2.0584	-	-	-	
37	Half circular	-	-	175.57	17.56	56.96	15.93	2.02	1.47	47.21	3.59	20.4250	-	-	9.59	6.34	36.1280	6.43	36.6180	2.3542	-	-	-	
38	Straight	-	-	106.57	10.66	93.84	10.07	2.22	1.56	35.03	1.90	17.8290	-	-	5.00	3.76	35.2540	3.79	35.5260	1.3450	-	-	-	
39	Half circular	-	-	205.00	20.50	48.78	16.33	2.35	1.74	66.57	2.87	13.9850	-	-	10.67	6.67	32.5220	9.77	47.6440	4.6534	-	-	-	
40	Straight	-	-	149.71	14.97	66.80	11.36	2.23	1.70	43.21	3.46	23.0910	-	-	7.43	5.20	34.7340	5.84	39.0290	2.2805	-	-	-	
41	Half circular	-	-	124.33	12.43	80.43	11.64	2.08	1.51	36.40	3.07	24.7000	-	-	6.57	4.13	33.2100	4.57	36.7650	1.6805	-	-	-	
42	Half circular	-	-	297.00	29.70	33.67	21.33	2.75	1.75	103.79	6.43	21.6550	-	-	9.00	8.67	29.1820	13.03	43.8820	5.7191	-	-	-	
43	Half circular	-	-	180.43	18.04	55.42	13.79	2.56	1.62	56.99	3.39	18.7660	-	-	6.86	6.19	34.2850	7.19	39.8270	2.8620	-	-	-	
44	Straight	-	-	141.33	14.13	70.76	12.75	2.06	1.57	41.16	2.90	20.2190	-	-	7.00	5.22	36.9140	5.22	36.9140	1.9259	-	-	-	
45	Half circular	-	-	249.80	24.98	40.03	16.80	2.87	1.75	84.29	5.26	21.0570	-	-	8.20	7.80	31.2250	9.32	37.3090	3.4772	-	-	-	
46	Half circular	-	-	209.29	20.93	47.78	13.29	2.79	1.89	70.12	4.13	19.7290	-	-	6.71	6.67	31.8740	9.00	43.0030	3.8703	-	-	-	
47	Half circular	-	-	173.63	17.36	57.59	13.63	2.41	1.66	54.42	3.43	19.7260	-	-	7.63	6.60	38.0120	6.74	38.8070	2.6148	-	-	-	
48	Straight	-	-	226.75	22.68	44.10	16.38	2.81	1.73	79.51	5.16	22.7690	-	-	7.50	7.54	33.2440	8.79	38.7560	3.4059	-	-	-	
49	Half circular	-	-	188.29	18.83	53.11	13.79	2.70	1.72	63.74	3.23	17.2230	-	-	7.57	5.56	29.5130	8.00	42.4680	3.3990	-	-	-	
50	Half circular	-	-	228.50	22.85	43.76	14.25	2.93	1.85	77.01	4.76	20.8450	-	-	6.25	6.15	26.9150	9.54	43.0550	4.2358	-	-	-	
51	Straight	-	-	151.63	15.16	65.95	12.94	2.10	1.53	41.63	2.89	19.0460	-	-	8.88	5.01	33.0610	5.34	35.2040	1.8732	-	-	-	
52	Half circular	-	-	161.20	16.12	62.03	13.70	2.31	1.58	50.08	3.50	21.7120	-	-	7.60	5.34	33.1270	6.04	37.4650	2.2631	-	-	-	
53	Half circular	-	-	130.50	13.05	76.63	10.81	2.23	1.52	36.62	3.40	26.0540	-	-	7.50	-	-	6.00	45.9770	2.7586	-	-	-	
54	Straight	-	-	120.88	12.09	82.73	11.81	2.00	1.58	43.07	2.50	20.6820	-	-	5.00	5.16	42.7120	4.50	37.2270	1.6752	-	-	-	
55	Straight	-	-	65.00	6.50	153.85	6.43	2.15	1.61	22.66	1.53	23.5230	-	-	2.57	1.90	29.2310	2.27	49.4460	0.9177	-	-	-	
56	Straight	-	-	169.71	16.97	58.92	15.36	2.49	1.53	58.10	4.00	23.5690	-	-	7.71	4.00	23.5690	8.11	47.8110	3.8794	-	-	-	
57	Straight	-	-	170.75	17.08	58.57	14.06	2.46	1.67	56.43	3.62	21.2001	-	-	7.60	3.76	22.0200	6.36	37.2470	2.3689	-	-	-	
58	Half circular	-	-	132.25	13.23	75.61	12.25	2.43	1.48	44.04	2.18	16.4460	-	-	8.50	5.68	42.9110	4.60	34.7830	1.6909	-	-	-	
59	Half circular	-	-	229.86	22.99	43.50	17.57	2.79	1.73	84.67	5.07	22.0610	-	-	9.71	7.40	32.1940	11.50	51.7710	6.1607	-	-	-	
60	Straight	-	-	278.38	27.84	35.92	17.68	2.76	1.47	71.78	4.83	17.3320	-	-	10.13	9.80	35.2040	10.59	38.0340	4.0270	-	-	-	
61	Straight	-	-	206.14	20.61	48.51	14.14	2.79	1.76	70.09	4.18	20.2770	-	-	6.40	4.10	19.8890	7.70	37.6440	2.9212	-	-	-	
62	Straight	-	-	78.00	7.80	128.21	8.50	2.06	1.63	28.61	1.71	21.9740	-	-	3.57	2.64	33.8850	2.76	35.3460	0.9745	-	-	-	
63	Half circular	-	-	211.00	21.10	47.39	14.38	2.81	1.62	65.37	4.08	19.3130	-	-	8.13	6.64	31.4590	9.25	43.8350	4.0551	-	-	-	
64	Half circular	-	-	134.86	13.49	74.15	13.53	2.45	1.65	56.22	-	-	-	-	-	-	-	-	-	-	-	-	-	
65	Straight	-	-	111.13	11.11	89.98	10.89	2.05	1.53	35.73	2.83	25.4210	-	-	5.50	3.18	28.5700	4.63	41.6180	1.9348	-	-	-	
66	Half circular	-	-	198.25	19.83	50.44	15.88	2.55	1.53	64.18	3.58	18.0330	-	-	9.00	6.63	33.4170	8.85	44.6410	3.9507	-	-	-	
67	Straight	-	-	145.17	14.52	68.88	12.25	2.25	1.71	47.80	2.77	19.0600	-	-	6.67	5.53	38.1140	5.62	38.6930	2.1734	-	-	-	
68	Half circular	-	-	136.00	13.60	73.53	12.86	2.34	1.56	46.84	2.79	20.4550	-	-	6.43	4.60	33.8240	5.40	39.7060	2.1441	-	-	-	
69	Half circular	-	-	117.14	11.71	85.37	10.86	2.29	1.66	41.06	2.54	21.7090	-	-	4.71	4.06	34.6340	4.51	38.5350	1.7395	-	-	-	
70	Half circular	-	-	147.29	14.73	67.89	14.29	2.57	1.66	52.45	2.63	17.8490	-	-	7.00	4.83	32.7860	6.14	41.7070	2.5621	-	-	-	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

**Volume = Length x Width x Thickness

CHAITAPHUM (41 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pods (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Brown	Fine	130.60	13.06	76.57	9.43	2.59	1.89	36.93	2.47	18.9130	0.77	5.8960	52.00	3.00	22.2710	6.62	50.6890	3.3456	Brown	Brown	Loose	
2	Slightly curved	Light brown	Coarse	149.90	14.99	66.71	12.50	2.32	1.75	12.33	3.52	23.4333	1.41	9.4060	64.00	4.27	28.4860	5.18	34.5560	1.7900	Brown	Brown	Loose	
3	Slightly curved	Brown	Coarse	116.70	11.67	85.69	10.10	2.75	1.74	19.67	2.91	24.9350	0.77	6.5980	42.00	2.54	21.7650	4.96	42.5020	2.1081	Brown	Brown	Loose	
4	Slightly curved	Light brown	Fine	98.30	9.83	101.73	9.21	2.37	1.76	14.00	2.55	25.9410	0.57	5.7960	42.00	1.92	19.5320	4.19	42.6250	1.7860	Brown	Brown	Loose	
5	Slightly curved	Brown	Coarse	167.40	16.74	59.74	14.30	2.43	1.71	28.00	4.01	23.9550	1.11	6.6310	64.00	4.22	25.2090	6.53	39.0080	2.5472	Dark brown	Dark brown	Loose	
6	Slightly curved	Brown	Coarse	120.00	12.00	83.33	10.08	2.50	1.75	22.00	3.46	28.8330	0.56	4.6670	40.00	3.28	27.3330	4.39	36.5830	1.6060	Brown	Brown	Loose	
7	Slightly curved	Brown	Fine	138.90	13.89	71.99	11.00	2.41	1.78	23.33	3.34	24.0460	0.26	1.8720	56.00	3.67	26.4220	6.26	45.0680	2.8213	Brown	Brown	Loose	
8	Slightly curved	Brown	Fine	128.30	12.83	77.91	11.10	2.74	1.83	19.00	3.66	27.9100	0.59	4.5060	39.00	2.62	18.9440	6.63	47.9290	3.1734	Dark brown	Dark brown	Loose	
9	Slightly curved	Brown	Coarse	146.20	14.62	68.40	12.50	2.45	1.71	19.00	3.03	20.7250	0.45	3.0780	61.00	4.73	32.3530	5.81	39.7400	2.3089	Brown	Brown	Loose	
10	Slightly curved	Brown	Coarse	211.10	21.11	47.37	14.45	2.78	1.91	22.67	4.98	21.5490	1.43	6.1880	85.00	7.06	30.5490	8.57	37.0840	3.1781	Dark brown	Dark brown	Tight	
11	Slightly curved	Brown	Coarse	150.90	15.09	66.27	11.60	2.52	1.83	19.67	3.72	24.6650	0.50	3.3130	66.00	4.43	29.3570	5.74	38.0650	2.1865	Dark brown	Dark brown	Loose	
12	Slightly curved	Brown	Coarse	122.30	12.23	81.73	11.50	2.47	1.95	12.00	3.47	26.2060	0.82	6.2130	59.00	2.49	18.8210	5.62	42.4340	2.3890	Brown	Brown	Loose	
13	Slightly curved	Brown	Coarse	84.90	8.49	117.79	7.33	2.12	1.61	10.00	1.88	22.1440	0.38	4.4760	42.00	2.26	26.6190	3.13	36.8670	1.1525	Brown	Brown	Loose	
14	-	-	-	255.40	25.54	39.18	16.00	2.81	1.72	23.00	5.62	21.1760	1.44	5.4260	93.00	6.07	22.8710	12.05	45.4030	5.4711	Brown	Brown	Loose	
15	Slightly curved	Brown	Coarse	152.40	15.24	65.62	13.65	2.53	1.60	17.00	3.69	24.2130	0.94	6.1680	79.00	3.30	21.6540	7.04	46.1940	3.2521	Brown	Brown	Tight	
16	Half circular	Brown	Coarse	259.30	25.93	38.57	17.65	3.26	1.95	30.33	5.58	21.5190	2.68	10.3360	91.00	6.83	26.3400	10.59	40.8410	4.3251	Brown	Brown	Loose	
17	Slightly curved	Brown	Fine	139.10	13.91	71.89	11.65	2.54	1.72	13.67	3.33	23.9390	1.03	7.4050	64.00	3.45	25.0830	5.67	40.7620	2.3112	Dark brown	Dark brown	Loose	
18	Slightly curved	Light brown	Coarse	269.40	26.94	37.12	15.15	3.54	1.97	24.63	6.23	23.1250	2.66	9.8740	66.00	7.64	28.3590	10.00	37.1190	3.7113	Dark brown	Dark brown	Loose	
19	Slightly curved	Brown	Coarse	257.00	25.70	38.91	16.95	3.13	3.14	36.33	5.70	22.1790	2.32	9.0660	67.00	6.82	26.5370	10.36	40.3110	4.1762	Brown	Brown	Tight	
20	Slightly curved	Brown	Fine	179.60	17.96	55.68	12.50	2.98	1.76	22.33	4.53	25.2230	0.98	5.4570	55.00	5.79	32.2380	8.83	49.1650	4.3413	Dark brown	Dark brown	Loose	
21	Slightly curved	Brown	Fine	227.40	22.74	43.98	14.15	2.85	1.64	31.00	5.06	22.2520	1.27	5.5850	84.00	7.65	33.6450	9.11	40.0620	3.6496	Brown	Brown	Loose	
22	Slightly curved	Brown	Fine	178.10	17.81	56.15	13.15	2.67	1.76	14.00	4.41	24.7510	0.89	4.9970	54.00	3.87	21.7290	8.34	46.8280	3.9065	Brown	Brown	Tight	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	Slightly curved	Brown	Coarse	157.10	15.71	63.71	12.65	3.02	1.92	19.67	5.20	26.3830	1.24	6.2910	64.00	5.44	27.6000	7.62	38.6610	2.9460	Brown	Brown	Loose	
25	Slightly curved	Brown	Fine	157.20	15.72	63.61	10.90	2.72	1.60	13.33	3.81	24.2370	0.90	5.7250	48.00	3.22	21.1190	6.31	40.1390	2.5328	Brown	Brown	Loose	
26	Slightly curved	Dark brown	Fine	110.80	11.08	90.25	9.67	2.08	1.51	10.33	2.17	19.5850	0.37	3.3390	63.00	3.76	33.9350	4.21	38.1770	1.6143	Brown	Brown	Loose	
27	Slightly curved	Light brown	Coarse	153.60	15.36	65.10	11.75	2.46	1.65	15.00	3.60	23.4380	0.63	4.1020	72.00	4.51	29.3660	5.99	38.9970	2.3359	Brown	Brown	Loose	
28	Slightly curved	Brown	Coarse	163.70	16.37	58.33	13.50	2.70	1.62	9.33	3.78	23.0750	1.05	6.1870	66.00	4.72	27.8140	7.16	42.1920	3.0209	Brown	Brown	Loose	
29	Slightly curved	Brown	Coarse	91.70	9.17	109.05	67.55	2.23	1.66	5.33	2.62	28.2710	0.42	4.5800	61.00	2.75	29.9890	3.36	36.6410	1.2311	Brown	Brown	Loose	
30	Slightly curved	Brown	Coarse	162.70	16.27	61.46	12.90	3.22	1.78	11.00	3.99	24.5240	1.26	7.7440	74.00	5.02	30.8540	6.23	38.2910	2.3855	Brown	Brown	Loose	
31	Slightly curved	Brown	Fine	162.70	16.27	61.46	12.95	2.87	1.74	9.67	3.90	23.9700	0.53	3.2580	56.00	4.96	30.4860	6.51	40.0120	2.6048	Dark brown	Dark brown	Loose	
32	Slightly curved	Brown	Coarse	136.90	13.69	73.05	10.00	2.51	1.43	3.00	3.07	22.4250	0.44	3.2140	56.00	4.99	36.4450	5.01	36.5960	1.8325	Brown	Brown	Loose	
33	Slightly curved	Brown	Fine	185.40	18.54	53.94	11.33	2.86	1.94	15.00	4.19	22.4920	1.48	7.9820	62.00	3.38	18.2310	8.68	46.8180	4.0639	Brown	Brown	Loose	
34	Slightly curved	Brown	Coarse	231.40	23.14	43.22	14.65	2.97	2.14	25.67	5.87	25.3670	1.17	5.0560	73.00	5.44	23.5090	10.85	46.8890	5.0875	Brown	Brown	Loose	
35	Slightly curved	Brown	Coarse	199.80	19.98	50.05	13.25	2.55	1.92	14.00	5.20	26.0260	1.49	7.4570	60.00	5.00	25.0250	7.50	39.5390	3.1236	Brown	Brown	Loose	
36	Slightly curved	Brown	Fine	125.70	12.57	79.33	10.35	2.44	1.74	11.33	2.87	22.8520	0.47	3.7030	62.00	3.17	25.0150	5.80	45.7770	2.6551	Brown	Brown	Loose	
37	Slightly curved	Brown	Fine	139.40	13.94	71.74	8.60	2.71	1.66	5.33	3.61	25.8970	0.99	7.1020	59.00	3.67	26.3270	4.39	31.4920	1.3855	Brown	Brown	Loose	
38	Slightly curved	Brown	Fine	116.10	11.61	86.13	11.25	2.24	1.41	8.67	2.76	23.7730	0.27	2.3250	68.00	3.57	30.7490	4.47	38.5010	1.7210	Brown	Light brown	Loose	
39	Slightly curved	Brown	Fine	122.30	12.23	81.70	10.10	2.36	1.54	10.67	2.52	20.4190	0.42	3.4060	47.00	2.65	21.4920	5.96	48.3440	0.2851	Brown	Brown	Loose	
40	Circular	Brown	Coarse	98.10	9.81	101.94	8.15	2.02	1.76	4.67	2.32	23.6630	0.47	4.7910	69.00	3.09	31.4980	3.52	35.8820	1.2630	Brown	Brown	Loose	
41	Slightly curved	Brown	Fine	126.90	12.69	78.80	9.30	2.76	1.74	10.33	2.74	21.5920	0.47	3.7040	39.00	3.25	25.6890	5.85	44.5230	2.5155	Brown	Brown	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

*Volume = Water replacement

LCEI (45 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real Value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Dark brown	Medium	125.50	12.55	79.42	9.35	2.22	1.58	13.67	3.28	26.0520	0.34	2.7000	60.00	4.69	37.2500	3.65	28.9910	1.0582	Brown	Brown	Loose	
2	Slightly curved	Light brown	Medium	107.50	10.75	93.02	8.20	2.31	1.52	16.67	2.13	18.8140	0.37	3.4420	41.00	2.89	26.8840	3.64	33.8600	1.2325	Brown	Brown	Loose	
3	Slightly curved	Light brown	Medium	112.80	11.28	88.65	9.85	2.06	1.35	11.67	1.98	17.5530	0.27	2.3940	61.00	4.24	37.5890	3.52	34.7520	1.3023	Brown	Brown	Loose	
4	Slightly curved	Light brown	Medium	238.20	23.82	41.98	17.40	2.67	1.69	25.33	4.76	19.9830	0.66	2.7710	73.00	8.12	34.0890	8.32	34.5090	2.8166	Brown	Brown	Loose	
5	Slightly curved	Light brown	Medium	212.70	21.27	47.01	12.65	2.83	1.80	25.33	3.97	18.6650	0.96	4.5140	50.00	4.93	23.1780	10.13	47.6260	4.8245	Brown	Brown	Loose	
6	Slightly curved	Light brown	Medium	125.10	12.51	79.94	10.30	2.15	1.51	13.00	2.47	19.7440	0.37	2.9580	55.00	3.87	30.9250	4.25	34.2330	1.4712	Brown	Brown	Loose	
7	Slightly curved	Light brown	Medium	200.70	20.07	49.82	15.35	2.02	1.60	23.67	4.17	20.7770	0.72	3.5870	82.00	6.04	30.0950	8.09	40.3090	3.2610	Brown	Brown	Loose	
8	Slightly curved	Light brown	Medium	111.30	11.13	89.37	9.45	2.22	1.48	14.33	2.43	22.2520	0.22	1.9660	43.00	3.18	28.4180	4.27	38.1530	1.6234	Brown	Brown	Loose	
9	Slightly curved	Light brown	Fine	150.70	15.07	66.36	14.55	2.19	1.22	15.33	2.69	17.8560	0.70	4.6450	83.00	4.18	27.7370	6.70	44.4530	2.9768	Brown	Brown	Loose	
10	Slightly curved	Light brown	Fine	107.50	10.75	93.02	12.35	2.16	1.25	8.00	2.09	19.4420	0.20	1.8600	82.00	4.40	40.9300	3.15	29.3020	0.9210	Dark brown	Dark brown	Loose	
11	Slightly curved	Light brown	Fine	208.30	20.83	48.01	13.75	2.52	1.49	25.33	5.29	25.3960	0.10	4.8000	63.00	5.80	23.0440	7.66	33.8930	2.3929	Brown	Brown	Loose	
12	Slightly curved	Light brown	Medium	152.90	15.29	65.43	11.50	2.10	1.67	11.33	2.85	18.6390	0.58	3.7900	70.00	5.06	33.0940	5.92	38.7190	2.2921	Dark brown	Dark brown	Loose	
13	Slightly curved	Light brown	Fine	100.00	10.00	100.00	11.10	2.14	1.22	7.00	2.17	14.1920	0.26	1.7000	68.00	3.75	24.5260	3.04	19.8820	0.6044	Brown	Brown	Loose	
14	Slightly curved	Dark brown	Fine	160.40	16.04	62.34	11.80	2.73	1.72	10.00	3.31	20.6360	0.51	3.1790	65.00	5.45	33.9870	5.37	33.5360	2.1492	Brown	Brown	Loose	
15	Slightly curved	Light brown	Medium	99.40	9.94	100.60	10.25	1.91	1.46	8.00	1.61	16.1970	0.27	2.7160	69.00	3.71	37.3240	3.45	34.7080	1.1974	Brown	Brown	Loose	
16	Slightly curved	Dark brown	Fine	130.70	13.07	76.51	11.93	2.48	1.21	9.00	2.17	16.6030	0.33	2.5250	61.00	3.38	25.9610	5.30	40.5510	2.1452	Dark brown	Dark brown	Loose	
17	Slightly curved	Dark brown	Coarse	82.10	8.21	121.80	8.55	1.77	1.47	6.67	1.63	19.8540	0.51	1.8270	58.00	3.24	39.4640	2.27	27.6490	0.6276	Brown	Brown	Loose	
18	Slightly curved	Dark brown	Coarse	245.60	24.56	40.72	14.55	2.73	1.84	27.67	4.86	19.7880	0.65	2.6470	60.00	5.62	22.8830	10.43	42.4670	4.4383	Brown	Brown	Tight	
19	Slightly curved	Dark brown	Medium	227.60	22.76	43.94	13.75	2.62	1.60	18.67	3.01	13.2250	0.79	3.4710	70.00	6.92	30.4000	10.90	47.8910	5.2201	Dark brown	Dark brown	Loose	
20	Slightly curved	Dark brown	-	133.30	13.33	75.02	12.15	2.41	1.42	8.67	2.06	15.4540	0.46	3.4510	58.00	3.62	27.1570	5.02	45.1610	2.7157	Dark brown	Dark brown	Loose	
21	Slightly curved	Dark brown	Fine	169.50	16.95	59.00	13.00	2.39	1.52	8.00	2.53	14.9260	0.76	4.4840	72.00	6.02	35.5160	7.41	43.7170	3.2354	Brown	Brown	Loose	
22	Slightly curved	Light brown	Coarse	166.50	16.65	60.06	9.30	2.54	1.93	19.33	3.62	21.7420	0.84	5.0500	51.00	4.03	24.2000	7.70	46.2660	3.5602	Dark brown	Dark brown	Loose	
23	Slightly curved	Light brown	Medium	150.00	15.00	52.53	14.35	2.43	1.56	11.67	2.57	13.5260	0.81	4.2630	78.00	7.30	38.4210	7.73	40.6800	3.1446	Dark brown	Dark brown	Loose	
24	Slightly curved	Dark brown	Medium	163.80	16.38	51.95	10.25	2.44	1.50	10.33	2.48	15.1400	0.76	4.6400	64.00	4.93	30.0980	5.90	35.4100	2.0556	Brown	Brown	Loose	
25	Slightly curved	Dark brown	Medium	145.30	14.53	66.54	9.90	2.02	1.50	4.33	2.99	20.4130	0.57	3.9100	56.00	4.74	32.4880	6.69	45.8530	2.0870	Brown	Brown	Loose	
26	Slightly curved	Dark brown	Medium	132.50	13.25	75.47	10.11	2.16	1.57	10.00	2.43	18.7950	0.67	5.0300	53.00	3.65	27.5470	5.76	43.5200	1.5212	Brown	Brown	Loose	
27	Slightly curved	Dark brown	Coarse	122.30	12.23	81.77	10.00	2.26	1.54	6.33	2.36	19.1256	0.37	29.9840	46.00	2.71	21.9610	4.52	36.6290	1.0556	Dark brown	Dark brown	Loose	
28	Slightly curved	Light brown	Medium	227.50	22.75	43.96	14.60	2.56	1.54	28.33	5.31	23.3450	1.21	5.3220	53.00	5.02	22.0660	10.80	47.4720	5.1071	Dark brown	Dark brown	Tight	
29	Slightly curved	Dark brown	Medium	93.70	9.37	106.72	8.95	2.25	1.48	8.67	1.85	19.8500	0.27	2.9500	39.00	2.45	26.1470	3.91	41.7290	1.5216	Brown	Brown	Tight	
30	Slightly curved	Dark brown	Fine	147.90	14.79	67.61	12.45	2.16	1.50	15.33	2.75	18.5700	0.53	3.5700	72.00	5.52	36.8740	5.48	36.6100	2.0942	Brown	Brown	Loose	
31	Slightly curved	Light brown	Medium	73.70	7.37	135.69	7.50	1.84	1.41	6.67	1.72	23.3360	0.39	5.2900	37.00	1.66	22.5200	2.79	37.8600	1.0563	Brown	Brown	Loose	
32	Slightly curved	Light brown	Medium	159.90	15.99	62.54	10.80	2.35	1.83	17.67	3.06	19.1400	0.85	5.3200	50.00	4.43	27.7000	6.85	42.8400	2.2343	Dark brown	Dark brown	Loose	
33	Slightly curved	Dark brown	Medium	173.50	17.35	57.64	12.30	2.59	1.56	14.67	3.31	19.0600	0.79	4.5500	68.00	5.47	31.5300	7.15	41.2100	2.3485	Dark brown	Dark brown	Loose	
34	Half circular	Light brown	Medium	124.60	12.46	80.26	12.35	2.17	1.41	13.00	3.24	26.0000	0.56	4.4900	75.00	3.66	29.3700	4.50	36.1160	1.9352	Brown	Brown	Loose	
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	Slightly curved	Light brown	Medium	129.70	12.97	77.10	10.45	2.36	1.40	9.33	2.21	17.1720	0.53	4.1180	57.00	4.59	35.6600	5.42	42.6600	2.2420	Dark brown	Dark brown	Loose	
37	Slightly curved	Light brown	Medium	193.50	19.35	51.68	13.65	2.72	1.51	22.67	4.21	21.7600	1.50	7.7500	62.00	6.37	32.9200	7.57	39.1200	2.9614	Dark brown	Dark brown	Loose	
38	Slightly curved	Dark brown	Medium	83.60	8.36	119.62	8.75	2.15	1.44	6.67	1.86	22.2500	0.42	5.0200	43.00	3.04	36.3600	2.51	33.6100	0.3414	Dark brown	Dark brown	Loose	
39	Slightly curved	Dark brown	Fine	190.90	19.09	52.39	13.00	2.46	1.55	30.33	4.06	21.2700	0.71	3.7200	46.00	4.29	22.4700	7.64	40.0200	2.0675	Dark brown	Dark brown	Loose	
40	Slightly curved	Light brown	Coarse	137.00	13.70	72.99	9.90	2.38	1.63	20.67	2.20	16.0600	0.51	3.7200	53.00	4.65	33.9400	5.66	41.4600	2.1549	Dark brown	Dark brown	Loose	
41	Slightly curved	Light brown	Medium	112.80	11.28	88.65	10.85	2.34	1.45	12.67	2.20	19.5000	0.59	5.2300	60.00	3.29	30.0500	4.83	42.8200	2.0445	Brown	Brown	Loose	
42	Slightly curved	Light brown	Coarse	196.00	19.60	51.02	14.35	2.33	1.95	21.33	4.05	24.7300	1.42	7.2400	45.00	3.51	19.9500	8.07	41.1700	3.0214	-	-	-	
43	Slightly curved	Dark brown	Medium	141.20	14.12	70.85	10.75	2.35	1.60	16.33	2.50	17.7050	0.56	3.9700	65.00	4.97	35.1980	6.18	43.7630	2.7046	Dark brown	Dark brown	Loose	
44	Slightly curved	Light brown	Medium	123.50	12.35	80.97	12.40	2.18	1.43	17.67	2.39	23.4060	0.44	3.5500	65.00	3.08	24.8600	5.71	46.0900	2.6317	Brown	Brown	Loose	
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

27

LOEI (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm^3)	Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real Value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
46	Slightly curved	Light brown	Medium	109.80	10.98	91.07	9.10	2.46	1.42	13.00	2.42	22.0400	0.33	3.0000	43.00	2.87	26.1400	4.88	44.4400	2.1697	Brown	Brown	Loose	
47	Slightly curved	Dark brown	Medium	173.70	17.37	57.57	12.50	2.49	1.35	23.33	3.68	21.1960	1.04	5.9870	61.00	3.76	21.6470	8.43	48.5300	4.0911	Dark brown	Dark brown	Tight	
48	Slightly curved	Light brown	Medium	274.60	27.46	36.42	18.40	3.31	1.72	40.00	5.54	20.1700	1.67	6.0800	92.00	7.44	27.0900	12.36	45.0100	5.5632	Dark brown	Dark brown	Tight	
49	Slightly curved	Dark brown	Coarse	194.30	19.43	51.47	13.35	2.41	1.78	14.00	4.36	22.4400	0.97	4.9900	78.00	6.47	33.2900	6.77	34.8400	2.3587	Dark brown	Dark brown	Tight	
50	Slightly curved	Dark brown	Medium	147.60	14.76	67.75	11.40	2.29	1.48	10.67	2.89	19.5730	0.55	3.2760	65.00	4.39	29.7430	5.92	40.1000	2.3739	Dark brown	Dark brown	Loose	
51	Half circular	Dark brown	Fine	274.50	27.45	36.43	20.05	2.64	1.44	54.33	4.94	17.9960	0.98	3.5700	113.00	8.28	30.1600	12.29	44.7700	5.5022	Dark brown	Dark brown	Loose	
52	Slightly curved	Dark brown	Medium	159.40	15.94	62.74	14.30	2.49	1.62	25.[illegible]	3.64	22.8400	0.63	3.9520	72.00	4.11	25.7800	6.68	41.9100	2.7996	Dark brown	Dark brown	Loose	
53	Slightly curved	Dark brown	Medium	250.90	25.09	39.86	15.55	3.00	1.79	42.00	5.17	20.6100	1.55	6.1770	71.00	5.76	22.9600	11.53	45.1900	5.2104	Brown	Brown	Loose	
54	Slightly curved	Dark brown	Medium	271.40	27.14	36.85	15.50	3.15	1.86	33.00	6.10	22.4760	1.45	5.3430	96.00	7.31	26.9300	11.16	41.1120	4.5881	Dark brown	Dark brown	Tight	
55	Slightly curved	Dark brown	Fine	148.70	14.87	67.25	10.90	2.53	1.77	21.66	3.07	20.6450	0.94	6.3200	52.00	3.67	24.6800	6.99	47.0000	3.2853	Dark brown	Dark brown	Tight	
56	Slightly curved	Light brown	Medium	168.10	16.81	59.49	12.95	2.37	1.50	22.67	3.32	19.7500	0.70	4.1600	74.00	4.96	29.5100	6.85	40.7500	2.7914	Dark brown	Dark brown	Tight	
57	Slightly curved	Dark brown	Coarse	256.30	25.63	39.02	15.80	3.03	1.77	37.00	5.25	20.4800	1.66	6.4760	82.00	7.29	28.4400	10.58	41.2800	4.3674	Brown	Brown	Tight	
58	Slightly curved	Dark brown	Fine	195.50	19.55	51.15	13.80	2.55	1.59	24.00	4.02	20.5600	0.78	3.9800	99.00	8.10	41.4300	6.35	32.4800	2.0625	Dark brown	Dark brown	Tight	
59	Slightly curved	-	-	129.10	12.91	77.46	13.60	2.10	1.44	12.33	3.27	25.3300	0.49	3.7900	73.00	3.66	28.3500	5.03	38.9600	1.9597	Dark brown	Dark brown	Tight	
60	Half circular	Dark brown	Coarse	122.20	12.22	81.83	12.90	2.24	1.41	11.00	3.51	28.7200	0.61	4.9900	59.00	2.58	21.1130	4.81	39.3600	1.8932	Brown	Brown	Loose	
61	Slightly curved	Dark brown	Fine	134.30	13.43	74.46	10.85	2.40	1.67	18.33	2.35	17.4980	0.47	3.4900	64.00	4.45	33.1300	5.64	41.9900	2.3682	Dark brown	Dark brown	Loose	
62	Slightly curved	Dark brown	Fine	120.40	12.04	83.06	11.80	2.38	1.37	9.33	2.43	20.1830	0.53	4.4000	52.00	3.47	28.8200	4.76	39.5300	1.8816	Brown	Brown	Tight	
63	Half circular	Dark brown	Medium	342.20	34.22	29.22	23.30	3.60	1.79	46.33	6.71	19.6100	2.61	7.6300	98.00	8.71	25.4500	16.35	47.7800	7.8120	Brown	Brown	Tight	
64	Slightly curved	Light brown	Medium	154.70	15.47	64.64	13.35	2.46	1.49	11.33	3.90	25.2100	0.53	3.4260	81.00	4.00	25.8600	5.71	36.9100	2.1076	Brown	Brown	Loose	
65	Slightly curved	Dark brown	Medium	124.20	12.42	80.52	11.35	2.45	1.36	8.33	2.14	17.2300	0.30	2.4200	63.00	4.40	35.4300	4.51	37.1200	1.6742	Brown	Brown	Loose	
66	Half circular	Light brown	-	298.90	29.89	33.46	20.65	2.38	1.67	37.00	5.64	18.8700	2.52	8.4300	120.00	7.67	25.6600	12.67	42.3900	5.3708	Brown	Brown	Tight	
67	Slightly curved	Light brown	Coarse	134.60	13.46	74.29	12.51	2.37	1.34	12.00	3.18	23.6300	0.53	3.9400	70.00	4.16	30.9100	5.48	40.7100	2.2309	Brown	Brown	Tight	
68	Slightly curved	Dark brown	Coarse	114.20	11.42	87.57	5.66	2.39	1.52	9.33	2.87	25.1300	0.83	7.2700	50.00	2.55	22.3300	5.05	44.2200	2.2331	Brown	Brown	Loose	
69	Half circular	Light brown	Coarse	262.60	26.26	38.08	8.55	2.81	1.90	33.00	5.55	21.1300	1.87	7.1200	76.00	6.74	25.6700	12.47	47.4300	5.9220	Dark brown	Dark brown	Loose	
70	Slightly curved	Dark brown	Fine	210.40	21.04	47.53	14.63	2.48	1.80	18.67	3.92	18.6300	0.72	3.4200	90.00	6.11	29.0400	6.91	32.8400	2.2692	Brown	Brown	Loose	
71	Slightly curved	Dark brown	Fine	139.20	13.92	71.84	10.35	2.50	1.70	21.67	2.74	19.6800	0.68	4.8900	43.00	3.18	22.8400	6.32	43.7200	3.4406	-	-	-	
72	Slightly curved	Light brown	Coarse	166.40	16.64	60.10	12.26	2.90	1.62	19.00	4.06	24.3500	0.84	5.0500	70.00	4.67	28.0600	7.13	42.8500	3.0552	Brown	Brown	Loose	
73	Half circular	Dark brown	Medium	142.20	14.22	70.32	10.35	2.54	1.98	7.20	3.88	27.2900	1.08	7.5900	47.00	3.48	24.4700	6.81	47.8900	3.2613	Brown	Brown	Loose	
74	Half circular	Dark brown	Coarse	213.80	21.38	46.77	14.43	2.80	1.61	25.67	4.69	21.9400	1.42	6.6400	80.00	5.67	26.5200	8.78	41.0700	3.6059	Brown	Brown	Loose	
75	Slightly curved	Dark brown	Medium	105.70	10.57	94.61	10.43	2.28	1.67	15.00	2.05	19.3950	0.49	4.6400	56.00	2.45	23.1800	5.13	49.1000	2.5193	Dark brown	Dark brown	Loose	
76	Slightly curved	Dark brown	Medium	95.90	9.59	104.28	9.95	2.26	1.69	11.33	1.97	20.5400	0.46	4.7900	45.00	1.78	18.5600	4.82	50.2600	2.4225	Dark brown	Dark brown	Loose	
77	Half circular	Light brown	Coarse	206.50	20.65	48.43	15.25	2.55	1.90	21.67	4.63	22.4200	1.08	5.2300	81.00	4.97	24.0700	8.77	42.4700	3.7246	Dark brown	-	-	
78	Slightly curved	Dark brown	Coarse	88.30	8.83	113.25	7.88	2.25	1.63	10.67	2.30	26.0500	0.38	4.3000	39.00	2.08	23.5600	3.63	41.1000	1.4919	Brown	Brown	Loose	
79	Half circular	Light brown	Medium	240.20	24.02	41.63	16.60	2.96	1.82	35.67	5.28	21.9800	1.25	5.2000	77.00	4.86	20.2300	12.23	50.3200	6.2275	Brown	Brown	Loose	
80	Slightly curved	Dark brown	Coarse	139.40	13.94	71.74	13.21	2.66	1.57	16.00	2.45	17.6000	1.25	8.9700	59.00	3.36	24.1000	6.32	45.3400	2.8655	Brown	Brown	Loose	
81	Slightly curved	Light brown	Medium	121.20	12.12	82.51	13.29	1.93	1.45	11.67	3.54	29.2100	0.44	3.6300	76.00	2.91	24.0000	5.14	42.4100	2.1799	Brown	Brown	Loose	
82	Slightly curved	Light brown	Coarse	130.80	13.08	76.45	10.74	2.60	1.74	10.00	2.77	21.1800	0.90	6.8800	47.00	2.92	22.3200	5.97	45.7000	2.7022	Brown	Brown	Loose	
83	Half circular	Light brown	Coarse	324.50	32.45	30.82	13.22	2.87	1.36	28.67	6.40	19.7200	2.51	7.7300	104.00	8.46	26.0700	14.40	44.3600	6.3807	Brown	Brown	Loose	
84	Slightly curved	Dark brown	Medium	183.80	18.38	54.41	12.15	2.59	1.71	15.00	3.95	21.4900	0.74	4.0260	80.00	4.72	25.6800	8.81	47.9300	4.2226	Brown	Brown	Loose	
85	Slightly curved	Dark brown	Fine	99.10	9.91	100.91	10.56	2.29	1.41	9.00	2.32	23.4100	0.42	4.2400	45.00	2.53	25.5300	4.19	42.2800	1.7715	Dark brown	Dark brown	Loose	
86	Circular	Light brown	Coarse	125.40	12.54	79.74	9.85	2.12	1.69	12.33	3.46	27.5900	0.69	5.5000	61.00	3.08	24.5600	5.01	39.9500	2.0015	Brown	Brown	Loose	
87	Half circular	Light brown	Fine	194.60	19.46	51.39	12.31	2.36	1.84	21.67	4.44	22.8200	1.02	5.2400	68.00	5.37	27.5900	7.99	41.0600	3.2807	Brown	Brown	Loose	
88	Slightly curved	Light brown	Coarse	90.40	9.04	110.62	9.28	2.32	1.28	8.67	1.80	19.9100	0.39	4.3100	45.00	2.59	28.6500	3.87	42.8100	1.6567	Brown	Brown	Loose	
89	Slightly curved	Light brown	Medium	140.10	14.01	71.38	12.22	2.08	1.60	10.67	3.12	22.2700	0.64	4.5700	90.00	4.09	29.1900	6.33	45.1800	2.8599	Light brown	Light brown	Loose	
90	Slightly curved	Light brown	Fine	114.70	11.47	87.18	10.35	2.13	1.59	11.67	2.70	23.5400	0.47	4.0970	68.00	3.44	29.9300	5.06	44.1200	2.2325	Brown	Brown	Loose	
91	Half circular	Dark brown	Fine	133.30	13.33	75.02	12.45	2.50	1.41	13.00	2.47	18.5300	1.00	7.5000	60.00	3.56	26.7100	6.16	46.2120	2.8467	Brown	Brown	Loose	
92	Half circular	Dark brown	Coarse	218.10	21.81	45.85	15.72	2.77	1.80	34.00	5.25	24.0700	2.40	11.0040	77.00	5.69	26.0400	8.25	37.8200	3.1210	Brown	Brown	Loose	
93	Slightly curved	Dark brown	Fine	163.10	16.31	61.31	11.47	2.52	1.58	22.00	3.41	20.9100	0.96	5.8900	66.00	4.43	27.1600	5.27	33.0600	[illegible]	Brown	Brown	Loose	
94	Slightly curved	Light brown	Fine	125.90	12.59	79.43	[illegible]	2.30	1.32	14.00	3.06	24.3100	0.74	5.8800	65.00	3.71	29.4700	4.50	35.7400	1.6082	Dark brown	Dark brown	Loose	
95	Slightly curved	Light brown	Medium	224.80	22.48	44.48	[illegible]	2.79	1.76	30.00	4.62	20.5500	0.91	4.0500	93.00	7.41	32.9600	8.54	37.9900	3.2443	Brown	Brown	Tight	
96	Slightly curved	Dark brown	Coarse	137.60	13.76	72.64	8.71	2.83	1.93	10.00	2.87	21.1340	0.76	5.5960	40.00	2.74	20.1770	6.64	48.8350	3.2466	Brown	Brown	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

MUKDAHAN (201 specimens)

29

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Light brown	Fine	334.40	33.44	25.32	18.55	2.35	1.37	26.50	8.22	21.0950	2.95	7.4790	95.00	11.03	27.9660	18.36	46.5520	8.5469	Dark brown	Dark brown	Tight	
2	Slightly curved	Light brown	Fine	355.50	35.55	25.11	20.25	2.08	1.30	31.33	3.64	24.3240	0.93	2.3370	113.00	10.25	28.8570	15.58	43.8630	6.5339	Dark brown	Dark brown	Loose	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Slightly curved	Light brown	Fine	321.40	32.14	31.11	14.17	3.11	1.71	26.33	7.03	21.8730	1.55	6.1920	70.00	9.33	29.0290	12.42	38.6420	4.7995	Brown	Brown	Tight	
6	Half circular	Light brown	Fine	381.30	38.13	26.23	22.75	2.97	1.69	39.83	7.22	18.9350	1.55	4.0650	111.00	11.86	31.1040	17.91	46.9710	8.4125	Brown	Brown	Tight	
7	Slightly curved	Light brown	Fine	383.00	38.30	26.11	20.65	2.96	1.81	33.33	7.65	19.9740	1.58	4.1250	118.00	12.87	33.6030	15.71	41.0180	6.4439	Light brown	Light brown	Tight	
8	Circular	Light brown	Medium	517.35	51.73	19.33	25.50	3.75	2.10	60.00	10.80	20.8790	2.83	5.4620	43.00	14.11	27.3180	24.23	46.9310	11.3925	Light brown	Light brown	Loose	
9	Slightly curved	Light brown	Fine	418.60	41.86	23.89	23.65	3.31	1.50	40.33	7.56	18.0670	1.69	4.0320	83.00	11.76	28.0940	20.43	48.7940	9.9662	Light brown	Light brown	Tight	
10	Slightly curved	Light brown	Medium	362.20	36.22	27.61	19.30	3.05	1.83	23.67	5.38	17.6150	1.52	4.1970	113.00	10.45	28.8510	17.67	48.7850	8.6203	Dark brown	Dark brown	Loose	
11	Half circular	Light brown	Fine	378.00	37.80	26.46	21.87	3.04	1.66	24.00	7.22	19.1010	1.37	3.6240	107.00	9.77	25.8470	19.40	51.3220	9.9567	Brown	Brown	Loose	
12	Slightly curved	Light brown	Fine	370.20	37.02	27.01	15.70	2.91	1.90	49.67	6.59	17.8010	1.30	3.5120	111.00	10.39	28.0390	17.03	45.8130	8.1127	Light brown	Light brown	Tight	
13	Half circular	Light brown	Medium	369.00	36.90	27.10	18.25	3.30	1.51	41.00	7.34	19.8920	2.48	6.7210	105.00	10.36	28.0760	15.94	43.1950	6.8859	Brown	Brown	Tight	
14	Slightly curved	Light brown	Fine	431.50	43.15	23.17	20.15	3.63	1.95	59.33	7.39	18.5170	1.58	3.6570	62.00	10.93	25.3300	20.77	48.1270	9.9945	Light brown	Light brown	Tight	
15	Straight	Brown	Medium	320.10	32.41	31.24	18.30	2.89	1.67	26.00	6.29	19.6190	1.55	4.8420	95.00	9.35	29.2095	14.51	45.3290	6.5772	Brown	Brown	Loose	
16	Straight	Light brown	Medium	475.40	47.54	21.03	23.35	3.49	1.74	78.33	9.45	19.8720	2.34	4.9220	123.00	13.19	27.7450	21.93	46.1230	10.1161	Brown	Brown	Loose	
17	Slightly curved	Light brown	Medium	393.30	39.33	25.43	21.25	3.81	2.07	70.67	9.01	22.9110	1.53	3.8980	61.00	8.71	22.1460	19.43	49.4020	9.5988	Brown	Brown	Loose	
18	Slightly curved	Light brown	Medium	330.80	33.08	30.23	22.55	3.13	1.61	38.33	8.73	26.3910	1.66	5.0060	72.00	9.87	29.8370	12.51	37.8200	4.7317	Brown	Brown	Tight	
19	Slightly curved	Light brown	Fine	331.30	33.13	30.18	20.45	2.80	1.57	37.67	6.26	18.8950	0.97	2.9280	100.00	9.29	28.0410	16.36	49.3810	8.0787	Brown	Brown	Loose	
20	Slightly curved	Light brown	Medium	368.00	36.80	27.17	17.65	3.02	1.92	25.33	6.40	17.3910	1.20	3.2610	106.00	11.58	31.4670	15.87	43.1250	6.8439	Dark brown	Dark brown	Loose	
21	Half circular	Light brown	Medium	280.70	28.07	35.63	18.50	3.05	1.71	27.67	5.36	19.0950	1.13	4.0260	87.00	8.30	29.5690	13.03	46.4190	6.0484	Light brown	Light brown	Tight	
22	Slightly curved	Light brown	Coarse	397.00	39.70	25.19	22.10	3.29	1.79	40.00	8.47	21.3350	2.13	5.3650	104.00	10.59	26.6750	17.21	43.3500	7.4605	Brown	Brown	Loose	
23	Half circular	Light brown	Medium	352.40	35.24	28.38	22.30	2.54	1.46	30.33	7.47	21.1980	2.16	6.1290	111.00	9.44	26.7880	16.12	45.7430	7.3738	Brown	Brown	Loose	
24	Half circular	Brown	Medium	302.00	30.20	33.11	15.30	2.42	1.57	9.60	4.39	14.5360	1.11	3.6750	81.00	7.43	24.7680	6.93	22.9470	1.5902	Dark brown	Dark brown	Loose	
25	Slightly curved	Brown	Fine	292.00	29.20	34.25	17.35	2.86	1.74	17.33	6.06	20.7530	0.92	3.1510	84.00	8.91	30.5140	12.95	44.3490	5.7432	Brown	Brown	Loose	
26	Slightly curved	Light brown	Fine	346.40	34.64	28.87	23.65	2.71	1.57	56.00	7.24	20.9010	1.68	4.8490	117.00	11.66	33.6610	13.62	39.3490	5.3631	Brown	Brown	Loose	
27	Slightly curved	Light brown	Medium	347.10	34.71	28.81	19.55	3.11	1.75	46.33	6.48	18.6690	1.38	3.9760	98.00	11.73	33.7940	14.54	41.8890	6.0907	Brown	Brown	Tight	
28	Half circular	Light brown	Medium	507.75	50.75	19.70	24.94	3.54	1.90	45.00	9.70	19.1040	2.65	5.2190	83.00	12.73	25.0620	24.13	47.5120	11.5102	Light brown	Light brown	Tight	
29	Slightly curved	Brown	Fine	344.60	34.46	29.02	18.45	2.68	1.80	22.33	6.65	19.2980	1.67	4.8460	88.00	9.52	27.6260	15.25	44.2540	6.7487	Brown	Brown	Tight	
30	Slightly curved	Brown	Fine	414.00	41.40	24.15	19.50	2.73	1.85	16.19	8.25	19.9280	1.85	4.4690	134.00	12.39	29.9280	18.65	45.0450	8.4015	Dark brown	Dark brown	Tight	
31	Straight	Light brown	Fine	266.50	26.65	37.52	15.00	2.64	1.64	19.67	5.46	20.4880	0.87	3.2650	110.00	7.95	29.8310	11.97	44.9160	5.3764	Brown	Brown	Loose	
32	Slightly curved	Brown	Medium	347.60	34.76	28.77	18.15	3.22	1.72	30.83	6.87	19.7640	1.60	4.5310	100.00	10.35	29.7750	15.46	44.4760	6.8750	Light brown	Light brown	Tight	
33	Slightly curved	Light brown	Coarse	355.40	35.54	28.14	25.35	3.25	1.79	33.67	7.25	20.3990	1.77	4.9800	69.00	9.97	28.0530	16.55	44.5670	7.3756	Brown	Brown	Loose	
34	Slightly curved	Light brown	Coarse	384.50	38.45	25.33	20.05	3.13	1.93	62.33	7.12	18.5030	1.25	3.3260	117.00	14.23	36.9800	14.74	38.3060	5.6463	Light brown	Light brown	Tight	
35	Circular	Brown	Medium	326.50	32.65	30.63	15.13	2.94	2.10	0.67	6.96	21.3176	1.27	3.8890	90.00	9.00	27.5650	14.55	44.5640	6.4841	Dark brown	Dark brown	Loose	
36	Half circular	Light brown	Medium	375.80	37.58	26.61	23.29	3.31	1.64	35.33	8.79	23.3630	2.39	6.5190	98.00	11.99	31.9250	13.93	36.9010	5.0496	Brown	Brown	Loose	
37	Slightly curved	Light brown	Medium	299.00	29.90	33.44	18.69	2.96	1.56	22.50	5.50	18.3950	1.48	4.9490	105.00	10.85	36.2890	12.29	41.1040	5.0517	Light brown	Light brown	Loose	
38	Half circular	Light brown	Coarse	222.20	22.42	43.62	22.52	3.63	1.75	44.67	9.02	39.2540	1.38	6.0290	57.00	15.30	66.7540	18.20	73.4070	14.4521	Brown	Brown	Loose	
39	Half circular	Light brown	Medium	330.50	33.05	30.25	20.77	3.17	1.75	30.67	7.05	21.3500	1.59	4.9590	99.00	11.08	34.5600	12.72	38.4200	[illegible]	Light brown	Light brown	Tight	
40	Slightly curved	Light brown	Medium	270.00	27.00	37.04	15.41	2.70	1.62	19.67	4.67	17.2960	1.19	4.4070	90.00	8.80	32.5930	12.01	44.4810	[illegible]	Dark brown	Dark brown	Loose	
41	Slightly curved	Light brown	Coarse	308.10	30.81	32.47	24.70	3.10	1.56	31.33	6.95	22.5360	1.95	6.4230	88.00	9.55	31.0960	13.31	43.1560	5.7443	Light brown	Light brown	Loose	
42	Slightly curved	Brown	Fine	238.90	23.89	41.86	23.65	2.93	1.48	23.67	4.20	17.5810	0.52	2.1770	83.00	9.32	39.0120	9.57	40.0590	3.8336	Brown	Brown	Loose	
43	Slightly curved	Light brown	Medium	387.50	38.75	25.81	19.95	3.60	1.78	35.00	8.25	21.2900	2.03	5.2390	98.00	10.98	28.3350	16.04	41.3940	6.6396	Brown	Brown	Loose	
44	Straight	Brown	Fine	276.70	27.67	36.14	15.65	2.54	1.57	11.00	4.33	17.8170	1.06	3.8310	115.00	9.39	33.9260	11.81	42.6820	5.0407	Dark brown	Dark brown	Loose	
45	Slightly curved	Light brown	Medium	400.00	40.00	25.00	19.10	3.27	1.81	31.33	8.02	20.0500	2.45	6.1250	113.00	13.20	33.0000	15.67	39.1750	6.1387	Brown	Brown	Loose	
46	Circular	Light brown	Medium	414.40	41.44	24.13	23.13	3.10	1.90	50.00	8.05	19.4340	1.91	4.6000	116.00	13.05	31.4910	19.23	46.5490	8.9793	Light brown	Light brown	Loose	
47	Circular	Brown	Fine	454.00	45.40	22.03	18.75	3.40	1.87	44.00	9.25	20.3080	1.51	3.3260	106.00	11.90	26.2110	22.68	49.9560	11.3300	Light brown	Light brown	Tight	
48	Half circular	Light brown	Fine	250.00	25.00	40.00	17.40	3.07	1.81	27.67	5.22	20.9200	1.47	5.8800	101.00	7.70	30.8000	10.17	40.6800	4.1372	Dark brown	Dark brown	Loose	
49	Slightly curved	Light brown	Fine	388.00	38.80	25.77	17.80	3.51	2.11	52.00	7.87	19.2280	2.83	7.4480	76.00	9.68	25.4640	16.75	43.1700	7.2310	Light brown	Light brown	Tight	
50	Half circular	Light brown	Medium	415.40	41.54	24.07	22.35	3.42	1.90	43.67	8.47	20.3890	1.64	3.9480	94.00	12.33	29.6820	16.38	40.6360	6.6534	Brown	Brown	Tight	
51	Circular	Brown	Fine	193.40	19.34	51.70	15.87	2.76	1.40	18.33	4.01	[illegible]	0.74	3.6400	105.00	7.70	39.9580	6.83	35.3920	2.4137	Brown	Brown	Loose	

NUNDAHAN (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pods/kg.	Pod Dimension: Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm3)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
52	Slightly curved	Light brown	Medium	261.10	26.11	38.30	17.40	2.92	1.65	30.67	6.32	24.2050	0.88	3.3700	74.00	7.38	28.2650	11.52	44.1590	5.0515	Dark brown	Dark brown	Loose	
53	Circular	Brown	Medium	268.50	26.85	37.24	17.50	2.77	1.53	25.33	5.16	19.2180	1.24	4.6180	58.00	8.01	29.8320	11.70	43.5750	5.0983	Brown	Brown	Tight	
54	Circular	Brown	Medium	268.10	26.81	37.30	15.50	2.89	1.81	21.00	3.86	14.3830	1.04	3.8540	85.00	7.50	27.9750	13.72	51.1820	7.0232	Brown	Brown	Loose	
55	Slightly curved	Brown	Coarse	272.20	27.22	36.74	16.15	2.83	1.72	24.67	6.23	3.0710	0.99	3.6440	77.00	7.35	27.0020	11.66	42.8300	4.9947	Brown	Brown	Loose	
56	Half circular	Brown	Medium	240.50	24.05	41.58	15.05	2.24	1.67	14.50	4.77	19.8340	0.84	3.4930	94.00	7.17	29.8130	10.64	44.2410	4.7072	Dark brown	Dark brown	Loose	
57	Half circular	Light brown	Medium	363.70	36.37	27.50	17.95	3.15	1.99	31.25	9.19	25.2680	1.56	4.2890	91.00	9.58	26.3400	15.73	43.2490	6.8031	Dark brown	Dark brown	Loose	
58	Circular	Light brown	Medium	378.80	37.88	26.40	17.20	2.89	1.57	26.00	5.44	25.2680	1.65	4.3590	93.00	9.94	26.2410	10.36	27.3490	2.8334	Brown	Brown	Tight	
59	Half circular	Light brown	Medium	421.50	42.15	23.72	21.50	3.68	1.81	32.67	8.62	20.3430	2.09	4.9580	73.00	10.54	25.0050	20.46	48.5410	9.9315	Light brown	Light brown	Tight	
60	Half circular	Light brown	Medium	421.20	42.12	23.75	20.85	3.83	2.00	22.67	8.95	21.2540	2.74	6.5070	67.00	9.18	21.8000	20.41	48.4690	9.8923	Light brown	Light brown	Tight	
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
62	Slightly curved	Light brown	Medium	329.30	32.93	30.37	19.75	3.20	1.79	30.67	6.56	19.9210	1.62	4.9190	88.00	8.88	26.9660	15.61	47.4040	7.3998	Brown	Brown	Tight	
63	Half circular	Brown	Medium	307.50	30.75	32.52	19.50	3.01	1.55	24.33	6.15	20.0980	1.71	5.5610	98.00	10.35	33.6590	11.55	38.6340	4.5897	Brown	Brown	Loose	
64	Slightly curved	Light brown	Fine	313.30	31.33	31.95	18.40	2.77	1.57	21.67	7.24	23.1310	2.07	6.6130	97.00	9.91	1.6610	12.64	40.3830	5.1044	Brown	Brown	Loose	
65	Slightly curved	Light brown	Medium	317.50	31.75	31.50	13.10	3.16	1.60	22.33	5.61	7.6690	2.12	6.6770	90.00	8.76	27.5910	15.12	47.6220	7.2004	Brown	Brown	Loose	
66	Half circular	Light brown	Medium	283.00	28.30	35.34	18.00	2.44	1.69	18.00	5.28	18.6570	1.26	4.4520	101.00	7.03	24.8410	14.50	51.2376	7.4294	Brown	Brown	Loose	
67	Circular	Dark brown	Fine	499.30	49.90	20.04	27.15	3.31	1.76	37.33	3.20	6.4130	2.57	5.1510	125.00	15.13	30.3210	23.95	0.4330	0.2277	Brown	Brown	Loose	
68	Straight	Dark brown	Fine	374.40	37.44	26.71	19.67	2.95	1.72	30.00	7.29	19.4680	1.63	4.3620	78.00	10.50	28.0450	16.21	3.3570	0.5449	Brown	Brown	Tight	
69	Slightly curved	Light brown	Fine	398.00	39.80	25.13	21.75	3.31	1.97	29.00	8.99	22.5880	1.67	4.1960	103.00	11.45	28.7690	15.92	40.0000	6.3680	Brown	Brown	Loose	
70	Slightly curved	Dark brown	Medium	251.10	25.11	39.82	14.10	2.22	1.60	16.00	4.57	20.2280	1.29	5.7040	74.00	8.02	35.5440	11.23	49.7040	5.5833	Brown	Brown	Loose	
71	Slightly curved	Dark brown	Fine	282.90	28.29	35.35	16.35	3.19	1.85	19.67	5.30	13.7350	1.15	3.9590	91.00	7.92	27.9960	12.17	43.0190	5.2354	Brown	Brown	Loose	
72	Circular	Dark brown	Fine	138.30	13.83	72.31	9.10	2.43	2.24	12.00	2.73	19.7390	0.57	4.1210	47.00	4.38	31.6700	6.27	45.3360	2.8426	Brown	Brown	Loose	
73	Slightly curved	Brown	Fine	266.00	26.60	37.59	17.67	2.31	1.53	29.00	4.65	17.4810	1.31	4.9250	108.00	8.80	33.0830	11.52	45.3360	5.2227	Brown	Brown	Loose	
74	Circular	Light brown	Medium	372.00	37.20	26.88	21.00	3.71	1.92	27.17	6.86	18.4410	3.19	8.5750	67.00	13.50	36.2900	11.78	31.6670	3.7304	Brown	Brown	Loose	
75	Straight	Brown	Medium	299.60	29.96	33.38	15.30	3.25	1.87	27.33	6.30	21.0280	2.04	6.8090	81.00	8.49	28.3380	12.36	41.2550	5.0991	Brown	Brown	Loose	
76	Half circular	Light brown	Medium	392.70	39.27	25.46	21.25	3.65	2.02	33.33	6.17	15.7120	2.31	5.8820	95.00	12.79	32.5690	18.00	45.8370	8.2507	Brown	Brown	Tight	
77	Slightly curved	Light brown	Medium	419.90	41.99	23.83	20.15	3.17	2.09	49.00	7.91	18.9730	1.12	2.6660	91.00	9.58	22.8730	22.23	53.2200	11.8095	Brown	Brown	Loose	
78	Slightly curved	Brown	Medium	349.50	34.95	28.61	16.00	3.25	2.05	30.00	7.29	20.8560	1.97	5.6280	70.00	7.49	21.431	15.64	45.22	-	Brown	Brown	Tight	
79	Half circular	Light brown	Coarse	327.60	32.76	30.53	22.40	3.57	1.73	36.33	6.12	21.8290	2.33	7.6080	110.00	11.63	31.2530	14.11	37.9300	5.3519	Light brown	Light brown	Tight	
80	Slightly curved	Light brown	Medium	222.00	22.20	45.05	14.00	2.45	1.65	16.67	3.54	5.9460	0.99	0.4590	85.00	8.00	36.0360	9.37	42.2070	3.9546	Brown	Brown	Loose	
81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
82	Slightly curved	Light brown	Medium	359.80	35.98	27.79	17.00	3.45	1.74	54.33	6.79	18.6210	1.64	4.5580	88.00	8.35	23.2070	18.10	50.3050	9.1054	Dark brown	Dark brown	Loose	
83	Circular	Light brown	Medium	437.10	43.71	22.88	21.15	3.38	1.92	49.00	8.19	18.7350	2.07	4.7230	97.00	10.93	24.7770	21.38	48.9090	10.4558	Dark brown	Dark brown	Tight	
84	Straight	Dark brown	Medium	324.00	32.40	29.34	12.60	2.93	1.55	22.00	5.61	17.2950	0.75	2.3450	107.00	11.45	34.2810	14.07	42.1520	5.3271	Brown	Brown	Loose	
85	Half circular	Dark brown	Medium	358.50	35.85	27.89	22.20	3.36	1.71	33.33	6.25	17.4620	1.72	4.7330	105.00	10.70	29.8470	13.52	37.7130	5.0988	Brown	Brown	Tight	
86	Circular	Light brown	Medium	356.60	35.66	28.02	16.01	3.13	1.95	20.33	5.21	14.6440	1.62	4.5540	81.00	9.60	26.9060	16.85	47.2250	7.9574	Brown	Brown	Loose	
87	Straight	Light brown	Medium	318.90	31.89	31.56	15.72	3.37	1.73	41.50	5.80	18.2020	1.11	3.5060	72.00	8.00	25.2450	16.57	52.1710	8.6254	Dark brown	Dark brown	Loose	
88	Straight	Light brown	Fine	320.00	32.00	31.25	16.90	2.82	1.52	36.67	6.51	20.3440	1.17	3.6560	106.00	9.50	29.6880	10.41	32.5310	3.3865	Brown	Brown	Loose	
89	Slightly curved	Light brown	Medium	401.40	40.14	24.91	19.50	3.27	1.95	29.33	7.43	18.6590	2.60	6.4770	55.00	9.94	24.7630	19.81	48.8610	9.3146	Light brown	Light brown	Tight	
90	Half circular	Light brown	Medium	372.20	37.22	26.87	19.50	3.03	2.05	40.67	8.29	22.3590	1.50	4.1910	93.00	10.91	29.3660	15.04	40.4080	6.0774	Dark brown	Dark brown	Tight	
91	Slightly curved	Light brown	Medium	291.50	29.15	34.23	17.00	3.45	1.75	24.33	5.31	18.2090	1.04	3.5670	89.00	6.95	23.8340	12.37	42.4210	5.2475	Dark brown	Dark brown	Tight	
92	Half circular	Light brown	Medium	295.30	29.53	33.86	19.00	3.29	1.66	38.33	5.27	17.8340	1.47	4.9750	92.00	8.21	27.7820	13.57	45.9220	6.2316	Brown	Brown	Tight	
93	Circular	Light brown	Medium	300.60	30.06	33.27	21.40	2.97	1.99	25.00	5.74	19.0950	1.14	3.7920	90.00	9.55	23.4430	13.25	44.0790	5.8668	Brown	Brown	Tight	
94	Slightly curved	Light brown	Medium	329.20	32.92	30.38	20.50	3.01	1.79	16.67	6.07	18.4190	1.34	4.0700	96.00	10.96	33.6920	16.16	49.0890	7.9326	Light brown	Light brown	Loose	
95	Circular	Light brown	Coarse	329.20	32.92	30.33	24.70	3.55	1.91	55.33	8.73	26.6710	2.43	7.5640	111.00	9.34	28.3720	22.31	67.7700	15.1135	Dark brown	Dark brown	Tight	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
97	Slightly curved	Brown	Medium	316.70	31.67	31.59	18.00	3.22	1.94	27.00	4.95	15.6290	1.06	3.3150	85.00	10.07	32.7440	11.82	37.3250	4.4115	Light brown	Light brown	Loose	
98	Slightly curved	Brown	Fine	276.00	27.60	36.23	14.00	3.07	1.79	21.33	5.39	19.4870	1.79	6.4710	90.00	9.05	32.7190	13.80	49.8520	6.8851	Light brown	Light brown	Tight	
99	Slightly curved	Light brown	Coarse	321.70	32.17	31.08	15.75	3.12	2.23	43.67	7.30	22.6920	1.48	4.6010	91.00	9.65	29.9970	13.10	40.7210	5.3345	Dark brown	Dark brown	Loose	
100	Slightly curved	Light brown	Coarse	300.10	30.01	33.32	17.00	3.05	2.07	46.00	5.56	18.5270	2.43	8.2970	92.00	8.11	27.0240	15.45	51.4830	7.9541	Brown	Brown	Loose	
101	Slightly curved	Light brown	Medium	229.40	22.94	43.59	15.65	2.73	2.25	28.33	4.75	20.7060	0.84	3.6620	84.00	7.06	30.7760	8.10	35.3090	2.8600	Brown	Brown	Loose	
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

MUKDAHAN (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Wt. of shell(gm)	% wt. of shell	Wt. of vein(gm)	% wt. of vein	No. of seed	Wt. of seed(gm)	% wt. of seed	Pulp wt. (gm)	%Pulp wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
103	Slightly curved	Light brown	Medium	251.57	25.35	39.45	14.20	2.56	1.85	24.00	5.33	21.0250	0.99	3.9050	120.00	7.67	30.2560	10.25	40.4340	4.1445	Dark Brown	Dark Brown	Loose	
104	Slightly curved	Light brown	Coarse	351.00	35.30	28.33	13.10	3.13	1.75	37.00	5.65	16.0060	1.24	3.5130	109.00	9.49	26.8840	18.41	52.1530	9.6014	Dark Brown	Dark Brown	Loose	
105	Slightly curved	Light brown	Medium	374.40	37.40	26.74	17.50	2.17	1.66	43.33	6.35	17.0590	1.45	3.9640	102.00	11.40	30.4810	15.90	42.5130	6.7596	Dark Brown	Dark Brown	Tight	
106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
107	Straight	Brown	Fine	245.70	24.57	40.70	15.67	2.91	1.50	24.67	6.27	25.5070	1.56	6.3330	72.00	6.07	24.7050	10.12	41.1570	4.1700	Brown	Brown	Loose	
108	Half circular	Brown	Medium	283.10	28.31	35.32	16.50	3.03	1.57	27.67	4.72	16.6730	1.45	5.1220	99.00	7.54	26.6340	13.41	47.3680	6.3520	Dark Brown	Dark Brown	Tight	
109	Slightly curved	Brown	Medium	401.20	40.12	24.93	21.45	3.03	1.85	43.00	9.01	22.4580	2.59	6.4310	109.00	11.15	27.7920	14.86	37.0390	5.5040	Brown	Brown	Tight	
110	Half circular	Light brown	Medium	279.60	27.96	35.77	18.56	2.74	1.63	21.67	5.44	19.4710	1.28	4.5710	87.00	7.37	26.3590	11.13	40.0180	4.4776	Brown	Brown	Loose	
111	Circular	Light brown	Medium	346.70	34.67	28.84	20.65	2.97	1.75	42.33	6.32	18.2290	1.63	4.7010	110.00	10.60	30.5740	15.85	45.7170	7.2461	Brown	Brown	Loose	
112	Slightly curved	Light brown	Medium	366.90	36.69	27.25	17.95	3.16	1.73	33.67	6.50	17.7150	1.48	4.0340	96.00	8.95	24.3940	18.62	50.7490	9.4495	Brown	Brown	Tight	
113	Slightly curved	Light brown	Coarse	277.00	27.70	36.10	16.90	2.54	1.82	21.33	5.35	19.3140	1.16	4.1980	97.00	8.68	31.3360	11.60	42.8150	5.0760	Dark Brown	Dark Brown	Loose	
114	Slightly curved	Light brown	Fine	312.20	31.22	32.05	15.50	2.97	1.54	18.33	5.56	17.8210	1.20	3.8460	94.00	8.94	28.5540	15.00	48.0770	7.2115	Light brown	Light brown	Loose	
115	Slightly curved	Light brown	Coarse	229.50	22.95	43.57	13.15	2.81	1.42	9.70	5.21	22.7890	0.95	4.1350	74.00	5.95	25.9260	10.41	45.3590	4.7219	Brown	Brown	Loose	
116	Half circular	Light brown	Medium	393.70	39.37	25.40	13.31	2.53	1.34	71.00	7.76	19.7180	1.64	4.1510	69.00	8.38	21.2730	15.52	46.2320	8.4067	Dark Brown	Dark Brown	Tight	
117	Half circular	Light brown	Medium	340.90	34.09	29.41	15.65	2.72	1.32	32.33	6.81	20.0290	1.39	4.0880	106.00	9.58	28.1760	15.79	46.4410	7.3330	Dark Brown	Dark Brown	Tight	
118	Half circular	Light brown	Medium	330.90	33.09	30.21	21.49	2.37	1.45	54.67	6.35	19.1360	1.25	3.7790	117.00	10.29	31.0750	14.41	43.5220	6.2347	Dark Brown	Dark Brown	Loose	
119	Slightly curved	Light brown	Medium	356.00	35.60	28.09	18.30	3.18	1.73	55.33	6.73	18.9040	1.59	4.4660	93.00	8.12	22.8090	18.59	52.2190	9.7075	Brown	Brown	Tight	
120	Slightly curved	Light brown	Medium	344.50	34.45	29.03	13.33	2.35	1.83	22.67	5.10	14.8040	0.97	2.8160	72.00	6.83	19.8260	11.20	32.5110	3.6412	Dark Brown	Dark Brown	Loose	
121	Slightly curved	Light brown	Coarse	260.40	26.04	38.40	16.95	2.76	1.76	25.33	4.82	18.5090	1.77	6.7970	115.00	8.28	31.7970	10.02	38.5150	3.8634	Dark Brown	Dark Brown	Loose	
122	Slightly curved	Brown	Fine	253.60	25.36	39.52	17.10	2.81	1.57	26.00	5.50	21.1560	1.51	5.8170	91.00	7.66	29.5060	10.43	40.0623	4.1664	Dark Brown	Dark Brown	Tight	
123	Slightly curved	Brown	Medium	252.70	25.27	35.37	14.30	3.35	1.37	26.67	5.39	19.0660	1.45	5.1294	74.00	7.57	26.7780	13.30	3.7220	0.4936	Dark Brown	Dark Brown	Tight	
124	Slightly curved	Brown	Fine	394.20	39.42	25.37	21.20	3.36	1.76	41.00	6.98	17.7070	2.02	5.1240	101.00	11.02	27.9550	18.45	46.8040	8.6353	Dark Brown	Dark Brown	Loose	
125	Half circular	Brown	Medium	360.50	36.05	27.74	21.10	3.15	1.76	46.00	7.57	20.9990	1.52	4.2160	113.00	9.78	27.1290	[illegible]	44.4120	-	Dark Brown	Dark Brown	Loose	
126	Slightly curved	Brown	Medium	237.90	23.79	42.05	14.20	2.73	1.73	24.00	4.70	19.7650	0.70	2.9440	95.00	6.60	27.7540	10.35	46.0470	5.1421	Brown	Brown	Tight	
127	Slightly curved	Brown	Fine	325.50	32.55	30.72	17.30	2.36	1.78	22.33	5.70	17.5120	1.65	5.0690	115.00	8.25	25.3450	15.53	47.7110	7.4095	Dark Brown	Dark Brown	Tight	
128	Slightly curved	Light brown	Fine	354.90	35.49	28.13	13.70	3.30	1.34	44.00	8.41	23.5370	0.99	2.7490	97.00	9.57	26.9650	14.81	41.7200	6.1802	Light brown	Light brown	Tight	
129	Slightly curved	Light brown	Medium	268.20	26.82	37.29	14.15	2.31	1.66	27.33	5.22	19.5270	0.88	3.2810	84.00	7.75	28.8960	10.25	38.2180	3.9173	Brown	Brown	Tight	
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
131	Slightly curved	Light brown	Medium	243.10	24.31	41.14	15.00	2.66	1.72	32.67	4.80	19.7450	1.12	4.6070	69.00	6.33	26.0390	10.58	43.5620	4.6132	Dark Brown	Dark Brown	Tight	
132	Half circular	Light brown	Medium	295.50	29.55	33.84	17.15	2.72	2.06	38.33	-	-	-	-	-	-	-	-	-	-	-	-	-	
133	Slightly curved	Brown	Fine	225.90	22.59	44.27	17.40	2.57	1.54	25.00	4.21	18.6370	0.34	1.5050	95.00	6.64	29.3940	9.67	42.8070	4.1394	Dark Brown	Dark Brown	Loose	
134	Slightly curved	Light brown	Medium	255.30	25.52	39.05	14.80	2.53	2.04	23.33	4.86	19.2700	1.35	5.3520	77.00	6.45	25.6150	12.00	47.5810	5.7097	Brown	Brown	Loose	
135	Slightly curved	Light brown	Medium	338.90	33.89	29.51	15.80	3.04	1.76	30.33	6.56	19.3570	1.42	4.1900	87.00	9.02	26.6150	14.63	43.1690	6.3156	Dark Brown	Dark Brown	Loose	
136	Slightly curved	Light brown	Medium	337.50	33.75	29.63	15.70	2.95	1.38	27.00	6.93	20.5330	1.62	4.3000	103.00	10.28	30.4890	11.49	33.9730	5.3330	Dark Brown	Dark Brown	Loose	
137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138	Half circular	Light brown	Medium	341.20	34.12	29.31	21.90	3.03	1.58	34.67	6.51	19.0730	1.14	3.3410	103.00	10.05	29.4550	15.33	44.8420	6.8698	Brown	Brown	Loose	
139	Slightly curved	Brown	Fine	254.80	25.48	39.25	17.10	2.44	1.75	26.00	4.76	18.6810	10.80	42.3860	113.00	8.26	32.4180	9.69	38.0290	3.6850	Dark Brown	Dark Brown	Loose	
140	Slightly curved	Brown	Fine	233.50	23.35	42.83	17.40	2.53	1.57	24.00	3.36	15.3590	0.96	4.1370	83.00	7.74	33.1450	9.33	39.9570	3.7280	Dark Brown	Dark Brown	Loose	
141	Circular	Brown	Medium	346.00	34.60	28.90	15.90	3.27	2.14	52.33	6.59	19.0460	1.58	4.5660	109.00	9.92	28.6710	15.13	43.7280	6.6160	Light brown	Light brown	Loose	
142	Slightly curved	Brown	Fine	347.50	34.75	28.78	21.30	2.62	1.62	57.33	6.73	19.3670	1.51	4.3450	105.00	11.40	32.8060	14.42	41.4960	5.9837	Light brown	Light brown	Loose	
143	Slightly curved	Brown	Medium	317.40	31.74	31.55	16.20	3.15	1.88	45.00	6.81	21.4530	1.64	5.1740	81.00	9.29	29.6210	11.74	36.4040	4.2010	Dark Brown	Dark Brown	Loose	
144	Straight	Brown	Fine	347.30	34.73	28.79	16.35	2.70	1.53	22.67	5.13	14.7460	0.98	2.8170	83.00	7.43	21.3570	9.71	27.9370	2.7269	Light brown	Light brown	Loose	
145	Straight	Brown	Medium	421.30	42.13	23.53	20.05	3.15	1.89	45.33	7.15	16.9870	3.27	7.7140	105.00	11.89	28.0490	16.53	39.1120	6.4549	Brown	Brown	Tight	
146	Slightly curved	Brown	Fine	321.10	32.11	31.14	21.20	2.58	1.41	31.67	6.82	21.2390	1.66	5.1690	97.00	8.77	27.3120	12.74	39.6720	5.0547	Dark Brown	Dark Brown	Loose	
147	Half circular	Light brown	Fine	268.70	26.87	37.22	19.30	2.56	1.51	40.00	4.19	15.5940	1.07	3.9820	104.00	9.14	34.0160	8.86	32.9740	2.9215	Dark Brown	Dark Brown	Loose	
148	Slightly curved	Brown	Fine	243.10	24.31	41.13	14.90	2.71	1.65	21.00	4.50	18.0650	1.45	5.8210	88.00	8.05	32.3160	9.34	38.3640	3.3955	Brown	Brown	Loose	
149	Slightly curved	Brown	Fine	237.00	23.70	42.19	16.30	2.35	1.74	34.67	5.47	23.0800	1.09	4.5570	100.00	5.95	25.1050	9.99	42.1090	4.2065	Brown	Brown	Loose	
150	Half circular	Light brown	Medium	390.50	39.05	25.61	19.40	3.58	2.01	47.67	7.99	20.4770	2.53	6.4840	95.00	9.07	23.2440	16.31	41.7890	6.8174	Brown	Brown	Tight	
151	Slightly curved	Brown	Medium	209.30	20.93	47.78	12.70	2.71	2.01	24.33	3.79	18.1090	0.87	4.1570	72.00	6.37	30.4350	8.76	41.8540	3.6664	Dark Brown	Dark Brown	Loose	
152	Slightly curved	Light brown	Fine	287.50	28.75	34.78	13.70	3.05	1.50	43.33	5.54	19.2630	0.97	3.3740	82.00	7.79	27.0610	12.73	44.2780	5.6366	Light brown	Light brown	Loose	
153	Slightly curved	Brown	Medium	374.10	37.41	26.74	19.30	3.66	1.90	45.67	7.52	20.1070	2.61	6.9790	93.00	9.56	25.5290	16.16	43.2090	6.9926	Dark Brown	Dark Brown	Loose	

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gr)	Ave. Wt. of pod (gr)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm3)	Character of pod Wt. of shell(gr)	% Wt. of shell	Wt. of vein(gr)	% Wt. of vein	No. of seed	Wt. of seed(gr)	% Wt. of seed	Pulp Wt. (gr)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
154	Slightly curved	Brown	Fine	353.07	35.30	27.33	21.70	3.27	1.67	35.67	7.30	20.3570	1.96	5.4660	106.00	8.56	23.8710	16.32	45.5100	7.4372	Dark Brown	Dark Brown	Loose	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
156	Slightly curved	Dark brown	Fine	411.60	41.16	22.27	22.30	3.50	1.71	46.33	7.57	18.4660	2.77	6.4190	32.00	11.61	27.3630	19.23	44.6540	6.0215	Light brown	Light brown	Loose	
157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
158	Half circular	Dark brown	Fine	433.30	43.33	23.08	25.00	3.27	1.63	32.33	7.67	17.7640	2.41	5.6060	75.00	11.92	27.4970	19.14	44.1790	6.4572	Light brown	Light brown	Loose	
159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
160	Slightly curved	Light brown	Fine	264.30	26.43	37.84	13.20	[illegible]	1.53	34.00	5.68	21.4910	1.05	3.9730	105.00	9.23	34.9220	9.71	36.7390	3.5674	Dark Brown	Dark Brown	Loose	
161	Half circular	Light brown	Fine	406.43	40.64	24.61	24.35	[illegible]	1.84	61.67	7.30	17.9630	2.23	5.4870	109.00	11.97	29.4540	18.21	44.8570	8.1774	Brown	Brown	Loose	
162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
163	Slightly curved	Light brown	Medium	219.30	21.93	45.60	6.7	3.36	1.22	26.00	4.21	19.1970	0.81	3.6940	60.00	5.16	23.5290	9.92	45.2380	4.4963	Brown	Brown	Loose	
164	Half circular	Dark brown	Fine	346.70	34.67	28.84	22.61	2.92	1.57	25.67	7.18	20.7090	1.53	4.4130	102.00	8.57	24.7190	16.43	47.3890	7.7660	Dark Brown	Dark Brown	Loose	
165	Slightly curved	Light brown	Medium	327.30	32.73	30.31	20.63	3.02	1.43	35.50	6.71	20.4690	1.41	4.3010	25.00	9.61	29.3270	13.96	42.5870	5.9451	Brown	Brown	Loose	
166	Slightly curved	Dark brown	Medium	374.30	37.43	26.72	15.75	3.02	1.76	29.67	4.64	12.3950	1.19	3.2790	102.00	9.26	24.7390	11.25	30.0560	3.3811	Dark Brown	Dark Brown	Loose	
167	Straight	Dark brown	Medium	328.30	32.83	30.47	18.00	3.03	1.87	41.00	6.84	20.8530	1.48	4.5030	85.00	8.43	25.6940	12.99	39.2720	5.0619	Dark Brown	Dark Brown	Loose	
168	Slightly curved	Light brown	Medium	308.00	30.80	32.47	18.45	3.14	1.79	35.00	5.46	17.7270	1.22	3.9610	33.00	8.00	25.9740	16.19	52.5650	8.5101	Brown	Brown	Loose	
169	Circular	Light brown	Fine	313.50	31.35	31.90	13.70	2.74	1.34	28.00	6.76	21.5630	1.26	4.0390	113.00	7.44	23.7320	14.98	47.7820	7.1579	Dark Brown	Dark Brown	Tight	
170	Slightly curved	Dark brown	Medium	261.50	26.15	38.24	15.65	2.45	1.52	33.00	4.98	19.0440	0.87	3.3270	90.00	6.51	24.8950	12.83	49.2350	6.3519	Dark Brown	Dark Brown	Loose	
171	Slightly curved	Dark brown	Coarse	330.23	33.03	30.32	13.00	3.34	1.87	41.67	6.56	20.1100	1.43	4.3840	88.00	9.32	28.5710	14.25	43.3070	6.2500	Dark Brown	Dark Brown	Loose	
172	Slightly curved	Dark brown	Fine	342.50	34.25	29.20	15.20	3.02	1.85	37.00	6.18	18.0440	1.94	5.6640	27.00	9.51	27.7660	15.20	44.3790	6.7456	Dark Brown	Dark Brown	Tight	
173	Half circular	Dark brown	Medium	350.30	35.03	28.55	20.30	3.22	1.62	42.00	6.69	19.0980	1.95	5.5670	31.00	9.23	26.3490	13.72	39.1650	5.3825	Dark Brown	Dark Brown	Tight	
174	Slightly curved	Light brown	Medium	280.60	28.06	35.64	13.30	2.87	1.59	35.67	5.27	18.7810	1.14	4.0630	86.00	8.90	31.7180	11.49	40.9490	4.7049	Dark Brown	Dark Brown	Loose	
175	Circular	Dark brown	Fine	270.90	27.09	36.91	13.50	2.77	1.30	26.33	4.00	14.7660	1.34	4.9460	36.00	7.74	28.5710	13.13	48.6690	6.4211	Dark Brown	Dark Brown	Tight	
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
178	Half circular	Dark brown	Fine	471.50	47.15	21.21	22.90	3.41	1.84	76.33	8.99	19.0670	1.92	4.0720	94.00	12.89	27.3390	22.40	47.5080	10.6416	Brown	Brown	Loose	
179	Slightly curved	Dark brown	Medium	243.90	24.39	41.01	14.00	3.09	1.71	35.33	4.54	19.2610	1.09	4.4930	79.00	6.68	27.7290	10.86	45.0410	4.4958	Brown	Brown	Loose	
180	Straight	Light brown	Medium	334.90	33.49	29.86	20.90	2.96	1.46	41.67	6.02	17.9760	1.16	3.4640	112.00	8.86	26.4560	16.30	48.6710	7.9334	Brown	Brown	Loose	
181	Slightly curved	Dark brown	Fine	280.20	28.02	35.69	17.65	2.74	1.63	45.67	5.14	18.3440	0.85	3.0340	104.00	9.45	33.7250	11.88	42.3980	5.0369	Brown	Brown	Loose	
182	Slightly curved	Light brown	Coarse	291.90	29.19	34.31	17.35	3.02	1.64	35.67	6.35	21.6060	0.91	3.0960	35.00	8.43	26.6330	12.59	42.8380	5.3931	Brown	Brown	Loose	
183	Slightly curved	Dark brown	Fine	384.20	38.42	26.03	19.73	3.10	1.71	33.33	6.61	17.2050	1.21	3.1490	102.00	8.45	34.5190	19.36	51.9520	10.0696	Dark Brown	Dark Brown	Loose	
184	Slightly curved	Light brown	Medium	230.00	23.00	43.48	15.35	2.40	1.54	19.33	4.46	19.3910	0.85	3.7390	91.00	7.38	32.0870	9.96	43.3040	4.3131	Dark Brown	Dark Brown	Loose	
185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
186	Slightly curved	Light brown	Medium	358.20	35.82	27.92	21.60	2.51	1.94	31.00	8.17	22.8080	1.40	3.9070	101.00	10.73	29.9470	18.19	50.7650	9.2341	Dark Brown	Dark Brown	Tight	
187	Circular	Dark brown	Medium	411.40	41.14	24.31	14.35	3.11	1.67	33.67	7.86	19.1050	2.36	5.7370	36.00	9.51	23.1160	19.44	47.2530	9.1860	Brown	Brown	Loose	
188	Slightly curved	Light brown	Medium	323.40	32.34	31.02	15.70	3.21	1.87	25.00	5.30	16.9110	1.35	4.3080	95.00	8.33	26.5496	15.16	48.3730	7.3331	Dark Brown	Dark Brown	Loose	
189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
190	Slightly curved	Light brown	Medium	229.40	22.94	45.58	15.20	2.52	1.56	29.00	4.38	19.9640	0.72	3.2270	92.00	6.05	27.5730	10.49	45.3480	4.6482	Dark Brown	Dark Brown	Loose	
191	Slightly curved	Light brown	Medium	432.20	43.22	23.13	19.73	3.51	[illegible]	44.67	6.73	15.6080	2.44	5.6540	114.00	12.57	29.1510	20.51	47.5110	9.7518	Dark Brown	Dark Brown	Loose	
192	Half circular	Brown	Medium	474.20	47.42	21.07	21.45	3.42	2.06	13.00	9.36	19.7220	2.96	6.2160	95.00	14.30	30.1310	19.30	40.6600	7.8465	Dark Brown	Dark Brown	Tight	
193	Slightly curved	Light brown	Fine	350.20	35.02	28.56	13.00	3.44	1.13	47.00	6.07	17.3330	1.37	3.9130	50.00	9.52	27.1340	16.75	47.8580	8.0210	Dark Brown	Dark Brown	Loose	
194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
195	Half circular	Light brown	Medium	347.30	34.73	28.75	17.30	3.12	1.33	34.67	6.81	19.5800	1.89	5.4140	90.00	9.46	27.1390	15.36	45.2390	7.0217	Dark Brown	Dark Brown	Loose	
196	Slightly curved	Brown	Medium	226.30	22.63	44.19	15.30	3.01	1.58	26.67	4.45	19.5610	0.59	2.6070	80.00	6.56	28.9980	10.26	45.3530	4.7531	Dark Brown	Dark Brown	Loose	
197	Slightly curved	Light brown	Medium	213.40	21.34	47.09	13.60	2.91	1.51	18.33	4.11	19.2500	0.96	4.5000	67.00	5.64	26.5540	9.54	40.2070	3.8337	Dark Brown	Dark Brown	Loose	
198	Half circular	Light brown	Medium	265.70	26.57	37.64	16.70	2.97	1.71	20.33	5.08	19.0660	0.81	3.0740	102.00	8.79	33.5320	11.50	43.6390	4.9835	Dark Brown	Dark Brown	Loose	
199	Half circular	Light brown	Fine	378.40	37.84	26.37	18.43	3.34	1.50	53.67	9.01	23.9270	2.93	7.5790	76.00	7.55	20.0530	15.04	50.0640	6.8417	Brown	Brown	Tight	
200	Half circular	Brown	Coarse	271.60	27.16	36.82	15.21	3.23	1.91	36.67	6.73	24.7790	2.61	9.6090	111.00	10.90	40.1330	13.53	50.0000	6.7560	Dark Brown	Dark Brown	Loose	
201	Half circular	Brown	Medium	406.40	40.64	24.61	22.07	[illegible]	1.75	53.00	7.41	18.2730	1.77	4.3550	68.00	12.63	31.2230	19.91	48.7980	9.0742	Dark Brown	Dark Brown	Loose	
202	Slightly curved	Light brown	Coarse	249.60	24.96	40.06	14.00	2.53	2.04	25.00	4.40	17.6280	1.02	4.0860	33.00	7.03	28.1650	11.41	45.6730	5.2067	Dark Brown	Dark Brown	Loose	
203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

*Real value of pulp = % Pulp Wt. x Pulp Wt. / 100

*Volume = water replacement

NARROW SATISFACTORY (35 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pods/pg.	Pod Dimensions Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell (gm)	% Wt. of shell	Wt. of vein (gm)	% Wt. of vein	No. of seed	Wt. of seed (gm)	% Wt. of seed	Pulp wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Brown	Medium	111.00	11.10	90.09	8.50	[illegible]	1.59	7.67	3.15	28.2700	0.51	4.5950	38.00	3.55	31.9250	4.47	40.2700	1.8001	Dark brown	Dark brown	Loose	
2	Slightly curved	Light brown	Fine	154.50	15.45	64.50	10.10	[illegible]	1.74	13.00	2.96	19.0270	0.71	4.5240	60.00	5.62	36.1570	6.63	42.5700	2.6771	Dark brown	Dark brown	Loose	
3	Slightly curved	Light brown	Coarse	157.00	15.77	63.41	11.45	[illegible]	1.70	14.67	3.86	24.4776	0.56	3.5510	72.00	3.98	25.2280	6.41	40.6476	2.6455	Dark brown	Dark brown	Loose	
4	Slightly curved	Light brown	Coarse	105.10	10.51	60.57	10.35	[illegible]	1.74	12.07	3.43	32.1950	0.41	3.4830	57.00	4.42	36.7720	5.43	50.6500	2.4365	Dark brown	Dark brown	Loose	
5	Slightly curved	Brown	Medium	152.71	15.27	70.50	10.55	[illegible]	1.45	10.22	2.82	22.9770	0.52	4.4196	56.00	4.00	31.5710	5.64	44.5150	2.5100	Dark brown	Dark brown	Loose	
6	Slightly curved	Brown	Fine	155.70	15.57	64.25	10.55	[illegible]	[illegible]	11.67	3.08	19.7950	1.04	6.6790	52.00	4.11	26.4970	6.99	44.9550	3.1690	Dark brown	Dark brown	Loose	
7	Circular	Brown	Medium	115.10	11.51	31.34	22.40	[illegible]	1.54	28.67	5.79	18.1300	1.40	4.3850	116.00	9.84	30.8170	13.70	42.8000	5.9155	Dark brown	Dark brown	Loose	
8	Slightly curved	Brown	Fine	151.50	15.15	61.32	15.00	[illegible]	1.65	9.00	3.28	20.9250	0.77	4.7580	59.00	3.96	17.8570	9.74	54.1150	4.7299	Dark brown	Dark brown	Loose	
9	Slightly curved	Light brown	Fine	152.20	15.22	61.76	11.45	[illegible]	1.57	12.33	3.29	20.1520	0.96	5.5050	45.00	4.31	26.3610	7.18	43.9140	3.1530	Dark brown	Dark brown	Loose	
10	Slightly curved	Light brown	Medium	154.10	15.41	50.25	15.45	[illegible]	[illegible]	14.33	4.54	22.8050	1.05	5.3450	70.00	3.13	15.7380	9.95	49.9970	4.0872	Dark brown	Dark brown	Loose	
11	Slightly curved	Light brown	Coarse	145.90	14.59	53.17	9.85	[illegible]	1.78	21.33	4.49	30.5050	0.41	2.7910	45.00	4.25	28.9310	5.07	34.5190	1.7439	Dark brown	Dark brown	Loose	
12	Slightly curved	Brown	Medium	94.50	9.45	105.37	7.80	[illegible]	[illegible]	19.67	2.15	22.5550	0.49	5.1930	31.00	2.50	26.1250	4.23	45.3590	2.0026	Brown	Brown	Loose	
13	Slightly curved	Brown	Coarse	215.80	21.58	45.50	16.00	[illegible]	1.71	30.33	6.71	21.4250	1.44	4.5970	66.00	5.90	26.8430	10.56	45.0440	5.0724	Brown	Brown	Loose	
14	Slightly curved	Light brown	Medium	114.20	11.41	74.51	9.60	[illegible]	[illegible]	9.33	3.05	26.7270	0.43	3.7743	55.00	3.05	27.1350	5.65	49.4430	2.0327	Dark brown	Dark brown	Loose	
15	Slightly curved	Light brown	Fine	146.43	14.64	71.21	11.15	[illegible]	11.61	11.00	3.12	21.2970	0.41	2.9900	56.00	4.78	34.0460	5.60	38.2550	2.2336	Dark brown	Dark brown	Loose	
16	Slightly curved	Light brown	Coarse	100.60	10.06	10.27	13.60	[illegible]	1.54	14.00	5.28	17.5550	0.97	3.2270	67.00	5.06	16.8330	7.54	25.0830	1.9915	Dark brown	Dark brown	Loose	
17	Half circular	Light brown	Medium	105.10	10.5	72.40	10.35	[illegible]	1.75	37.67	7.01	22.7520	1.55	5.0310	97.00	9.22	29.9250	12.57	40.7240	5.1121	Dark brown	Dark brown	Loose	
18	Slightly curved	Brown	Medium	220.43	22.04	43.40	25.00	[illegible]	1.54	96.67	6.58	19.9780	1.00	3.2490	79.00	6.75	20.1670	19.50	63.5730	4.7852	Dark brown	Dark brown	Loose	
19	Slightly curved	Brown	Coarse	192.70	19.27	54.44	11.00	[illegible]	1.73	23.00	3.31	19.4130	1.06	5.3340	58.00	6.05	34.5670	6.05	36.2000	2.4073	Dark brown	Dark brown	Loose	
20	Half circular	Brown	Fine	156.00	15.60	54.10	12.55	[illegible]	1.54	15.33	3.67	19.1970	0.87	3.0750	53.00	5.04	23.2080	6.59	43.2440	2.7839	Dark brown	Dark brown	Loose	
21	Slightly curved	Light brown	Fine	169.00	16.90	51.45	7.80	[illegible]	1.71	20.00	3.96	17.5220	0.97	3.0190	38.00	3.85	35.2240	4.12	35.0600	1.5810	Dark brown	Dark brown	Loose	
22	Slightly curved	Light brown	Medium	124.70	12.47	80.13	8.40	[illegible]	1.53	10.67	2.67	21.4110	0.25	2.0650	36.00	3.51	28.3490	4.51	39.2740	1.4110	Dark brown	Dark brown	Loose	
23	Slightly curved	Brown	Coarse	160.20	16.02	55.94	10.35	[illegible]	1.54	15.00	3.48	21.7050	0.55	3.4310	50.00	4.55	30.5050	5.45	36.3070	2.1101	Dark brown	Dark brown	Tight	
24	Slightly curved	Light brown	Coarse	249.20	24.92	27.95	16.50	[illegible]	1.57	31.67	6.43	34.1210	1.73	9.2540	95.00	7.01	26.5350	10.11	53.5900	3.3687	Dark brown	Dark brown	Loose	
25	Straight	Brown	Fine	111.20	11.12	84.34	10.40	[illegible]	1.57	10.67	2.76	24.3220	0.55	4.8520	52.00	3.77	24.4250	5.07	44.7850	2.2706	Dark brown	Dark brown	Loose	
26	Slightly curved	Brown	Coarse	170.50	17.05	58.65	10.65	[illegible]	1.54	17.67	3.78	22.1700	0.84	3.7540	79.00	5.25	31.0560	6.56	37.3020	2.7724	Dark brown	Dark brown	Tight	
27	Slightly curved	Light brown	Medium	159.50	15.95	25.41	10.90	[illegible]	1.64	16.67	3.59	25.5500	0.87	6.2540	64.00	5.13	35.9540	6.03	27.5770	2.6140	Dark brown	Dark brown	Loose	
28	Slightly curved	Light brown	Coarse	152.30	15.23	73.87	9.45	[illegible]	1.77	14.67	3.76	20.0120	0.57	3.0573	41.00	3.71	25.6310	3.44	37.4760	0.9452	Dark brown	Dark brown	Loose	
29	Slightly curved	Brown	Coarse	67.20	6.72	148.15	8.55	[illegible]	1.45	7.33	1.69	22.8000	0.21	2.3540	35.00	2.74	25.7750	2.20	35.5500	0.7170	Dark brown	Dark brown	Loose	
30	Slightly curved	Brown	Medium	122.40	12.24	81.70	9.00	[illegible]	1.57	7.33	2.76	25.5455	0.35	3.2143	47.00	4.25	34.7250	4.05	37.4180	1.7137	Dark brown	Dark brown	Loose	
31	Slightly curved	Brown	Coarse	159.20	15.92	73.11	12.50	[illegible]	1.64	15.00	3.95	20.0170	0.75	4.4330	55.00	5.22	31.2060	4.92	26.3470	1.4110	Dark brown	Dark brown	Loose	
32	Half circular	Light brown	Coarse	199.50	19.95	50.07	20.65	[illegible]	1.51	56.67	9.16	23.3610	1.51	5.5400	95.00	6.65	21.5850	17.29	43.1190	7.1985	Dark brown	Dark brown	Tight	
33	Slightly curved	Light brown	Medium	140.50	14.05	55.40	11.45	[illegible]	1.62	15.67	3.69	20.4410	0.45	2.4330	70.00	5.61	31.0600	6.95	38.5040	2.1025	Dark brown	Dark brown	Loose	
34	Slightly curved	Light brown	Coarse	130.20	13.02	71.79	12.00	[illegible]	1.47	14.00	3.11	23.3560	0.15	1.1250	53.00	3.29	23.6150	5.84	43.8250	5.1431	Dark brown	Dark brown	Loose	
35	Slightly curved	Brown	Medium	150.50	15.05	61.02	15.10	[illegible]	1.77	17.33	3.57	17.7710	0.45	2.2450	75.00	5.55	34.3650	6.06	33.4550	1.5573	Brown	Brown	Loose	

*Real value of pulp = % Pulp wt. x Pulp Wt. / 100

*Volume = water displacement

MAKHA KATHIRIYA (7 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pod/sq.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	-	-	504.40	50.44	19.77	12.06	2.00	3.06	69.79	11.91	23.5410	-	-	9.47	13.98	27.6320	21.36	42.2190	9.0171	-	-	-	
2	Half circular	-	-	561.18	56.12	17.82	13.30	2.67	1.76	61.76	11.19	23.4390	-	-	9.87	17.68	37.5120	18.49	38.7380	6.0230	-	-	-	
3	Half circular	-	-	255.20	25.52	44.40	17.32	2.04	1.54	73.15	5.06	20.5510	-	-	10.04	8.17	36.2260	7.33	32.5390	2.3815	-	-	-	
4	Half circular	-	-	205.20	20.52	48.73	15.19	2.59	1.65	61.15	4.54	22.2043	-	-	9.46	7.99	35.1040	9.82	48.0620	4.7211	-	-	-	
5	Straight	-	-	204.08	20.44	48.93	14.23	2.63	1.52	56.51	5.09	23.6420	-	-	9.30	8.67	40.3390	9.12	42.4460	3.8723	-	-	-	
6	Half circular	-	-	214.31	21.43	46.53	17.11	2.42	1.57	75.59	4.71	22.0370	-	-	7.89	6.61	40.2590	9.46	44.2520	4.1825	-	-	-	
7	Half circular	-	-	213.78	21.38	46.76	14.22	2.45	1.54	54.12	2.79	17.3950	-	-	6.00	5.21	32.5140	6.21	38.7350	2.4061	-	-	-	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

**Volume = Length x Width x Thickness

KING EAL (55 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pod/sq.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Light brown	Medium	190.00	19.00	52.63	13.20	2.41	1.59	21.23	3.72	19.5790	1.05	5.5260	73.00	6.22	32.7370	7.09	37.3160	2.6457	Brown	Brown	Tight	
2	Slightly curved	Light brown	Fine	189.90	18.99	50.39	13.10	2.04	1.15	11.33	2.16	13.6540	0.36	2.2760	75.00	4.29	27.1450	3.65	23.2120	0.1172	Brown	Brown	Loose	
3	Slightly curved	Light brown	Medium	120.70	12.07	83.85	10.10	2.15	1.43	12.33	2.12	17.5630	0.43	3.5630	58.00	3.82	31.6490	4.88	40.4140	1.5714	Dark brown	Dark brown	Tight	
4	Slightly curved	Light brown	Coarse	117.10	11.71	85.40	10.20	2.20	1.49	13.00	2.70	23.0570	0.67	5.7250	60.00	3.92	27.2270	4.19	35.7810	1.4992	Brown	Brown	Loose	
5	Slightly curved	Brown	Medium	124.10	12.41	80.56	11.05	2.05	1.45	16.23	2.43	19.5810	0.51	4.1090	56.00	4.44	35.7780	5.52	44.4630	2.4553	Brown	Brown	Loose	
6	Slightly curved	Light brown	Medium	124.10	12.41	80.56	10.35	1.94	1.28	12.06	2.63	21.1930	0.58	4.6730	66.00	4.79	38.5980	4.53	29.7250	1.3585	Brown	Brown	Loose	
7	Slightly curved	Light brown	Fine	267.90	26.79	37.33	14.50	2.25	1.40	22.33	5.19	19.3720	2.06	7.6890	54.00	8.46	31.3790	12.88	48.0780	6.1924	Brown	Brown	Loose	
8	Slightly curved	Brown	Medium	508.90	50.89	19.65	13.35	2.73	1.72	6.00	3.34	18.8510	1.73	9.2810	65.00	5.90	27.7640	9.46	45.2850	4.2840	Brown	Brown	Loose	
9	Slightly curved	Light brown	Medium	82.40	8.24	121.36	7.45	1.94	1.56	8.67	1.59	22.9270	0.30	3.6410	43.00	2.43	30.2180	3.09	37.5000	1.1515	Brown	Brown	Loose	
10	Slightly curved	Brown	Medium	136.20	13.62	73.24	11.50	1.45	1.00	13.67	2.95	21.3760	0.52	4.1200	70.00	4.26	31.7560	3.19	25.2770	0.9063	Brown	Brown	Loose	
11	Slightly curved	Light brown	Medium	129.60	12.96	77.16	9.75	2.42	1.52	18.23	2.96	22.8390	0.47	3.6270	50.00	3.82	29.4750	5.33	41.1270	2.1921	Dark brown	Dark brown	Loose	
12	Slightly curved	Brown	Fine	156.50	15.65	63.90	12.65	2.29	1.64	17.00	3.47	22.1710	1.22	7.7960	83.00	4.68	9.9040	5.23	33.4190	1.7478	Brown	Brown	Loose	
13	Slightly curved	Light brown	Medium	103.20	10.32	96.90	8.75	2.34	1.45	15.33	2.97	28.7790	0.35	3.3910	44.00	2.54	24.6120	4.48	43.4110	1.9448	Brown	Brown	Loose	
14	Slightly curved	Brown	Fine	116.10	11.61	85.34	9.80	2.02	1.47	15.33	2.65	22.7960	0.39	3.3530	50.00	2.82	24.2890	5.82	50.0450	2.9030	Brown	Brown	Loose	
15	Slightly curved	Brown	Medium	227.10	22.71	44.02	14.60	2.57	1.56	16.67	4.23	18.6225	1.74	7.6620	54.00	6.36	28.0740	8.24	36.2540	2.9430	Dark brown	Dark brown	Loose	
16	Slightly curved	Light brown	Medium	128.20	12.82	78.15	9.50	2.10	1.21	11.33	2.54	21.3020	0.26	2.2760	45.00	3.74	31.0620	6.23	45.1010	2.8111	Brown	Brown	Loose	
17	Slightly curved	Brown	Fine	106.40	10.64	93.96	7.45	2.42	1.64	8.33	1.65	15.5060	0.29	2.7250	38.00	3.40	31.9550	4.76	44.7370	2.1295	Brown	Brown	Loose	
18	Slightly curved	Brown	Medium	153.50	15.35	65.15	11.60	2.47	1.52	13.00	2.93	19.0880	0.51	3.3220	73.00	4.36	28.5340	6.55	42.6710	2.7950	Brown	Brown	Loose	
19	Slightly curved	Light brown	Medium	145.30	14.53	68.82	10.75	2.41	1.45	22.67	3.35	23.0560	0.61	4.1960	53.00	4.10	28.2170	5.75	39.5730	2.2754	Brown	Brown	Loose	
20	Slightly curved	Light brown	Coarse	195.60	19.56	50.10	13.65	2.41	1.66	24.67	3.58	17.3300	0.73	3.6570	62.00	6.30	31.5630	7.29	36.5230	2.6625	Brown	Brown	Loose	
21	Slightly curved	Light brown	Coarse	150.50	15.15	66.45	12.15	2.15	1.47	14.33	2.97	19.7340	0.43	2.8570	91.00	4.96	32.9570	6.34	42.1260	2.6708	Brown	Brown	Loose	
22	Slightly curved	Brown	Coarse	149.50	14.95	66.89	10.50	2.46	1.78	15.67	3.46	23.1440	0.71	4.7490	70.00	5.00	33.4520	4.92	32.9090	1.6191	Brown	Brown	Loose	
23	Slightly curved	Light brown	Medium	135.50	13.55	73.80	9.60	2.02	1.56	17.77	3.42	25.2290	0.71	5.2390	47.00	3.95	29.1510	3.83	28.2600	1.0826	Brown	Brown	Loose	
24	Slightly curved	Light brown	Medium	130.20	13.02	76.80	9.30	2.43	1.54	17.33	2.91	22.3500	0.59	4.5310	45.00	3.55	27.2550	5.06	38.8630	1.9665	Brown	Brown	Loose	
25	Slightly curved	Brown	Fine	165.60	16.56	60.39	12.15	2.10	1.71	25.00	3.83	23.1280	0.64	3.8650	71.00	5.35	32.3070	5.36	35.9900	1.9301	Brown	Brown	Loose	
26	Slightly curved	Brown	Coarse	159.80	15.98	62.58	11.40	2.12	1.62	21.00	3.17	19.8370	0.55	3.4410	68.00	5.04	31.5390	6.22	38.7950	2.4155	Dark brown	Dark brown	Loose	
27	Slightly curved	Light brown	Coarse	175.90	17.59	56.85	15.75	2.22	1.54	30.33	3.83	21.7740	1.39	7.9020	70.00	5.43	30.8630	4.19	35.1500	1.4721	Brown	Brown	Loose	
28	Slightly curved	Light brown	Fine	233.60	23.36	42.82	14.45	2.30	1.35	22.67	3.97	16.5860	1.11	4.6390	89.00	6.17	25.8860	9.[illegible]	42.6730	6.0703	Brown	Brown	Loose	
29	Slightly curved	Light brown	Coarse	151.70	15.17	65.92	10.70	2.22	1.56	18.67	2.59	17.0730	0.69	4.5480	48.00	4.55	29.9930	6.23	41.0600	2.5587	Brown	Brown	Loose	
30	Slightly curved	Brown	Coarse	154.70	15.47	64.70	10.75	2.05	1.56	18.10	2.44	15.7690	0.58	4.5070	50.00	4.21	32.4890	4.81	37.2740	1.7927	Brown	Brown	Loose	
31	Slightly curved	Brown	Coarse	124.30	12.43	80.43	10.25	2.10	1.56	17.67	2.71	21.1750	0.39	3.1256	80.00	3.93	30.6530	4.55	35.4580	1.5584	Brown	Brown	Loose	
32	Slightly curved	Brown	Medium	153.20	15.32	65.27	10.20	2.20	1.70	21.33	2.74	17.8850	0.47	3.0680	56.00	4.74	30.9250	6.08	39.6370	2.41[illegible]	Brown	Brown	Loose	

NONG KHAI (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (g)	No. of pods/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Wt. of shell(gm)	% Wt. of shell	Wt. of vein	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
34	Slightly curved	Light brown	Medium	138.30	13.83	72.31	10.95	2.13	1.67	16.33	2.27	16.4140	0.36	2.6020	60.00	3.80	27.4770	6.41	46.3490	2.9710	Brown	Brown	Loose	
35	Half circular	Light brown	Medium	181.90	18.19	55.01	15.06	2.61	1.49	25.00	3.76	20.6820	0.61	3.3550	74.00	5.82	32.0130	7.00	38.5040	2.6951	Brown	Brown	Loose	
36	Half circular	Brown	Fine	183.90	18.39	54.38	10.35	2.40	1.94	30.00	3.19	17.3460	0.55	2.9910	56.00	5.03	27.3520	8.36	45.4590	3.9004	Dark brown	Dark brown	Loose	
37	Slightly curved	Brown	Medium	125.60	12.56	79.62	11.20	2.21	1.49	19.67	2.46	19.5850	0.38	3.0250	60.00	3.45	27.4690	5.54	44.1080	2.4436	Dark brown	Dark brown	Loose	
38	Slightly curved	Brown	Medium	184.30	18.43	54.26	11.40	2.62	1.77	13.67	3.56	19.3160	0.94	5.1000	55.00	4.67	25.3390	7.75	42.0510	3.2590	Brown	Brown	Loose	
39	Slightly curved	Light brown	Medium	194.80	19.48	51.33	12.50	2.51	1.53	21.00	4.40	22.5870	0.85	4.3620	80.00	4.36	25.4620	8.24	42.8130	3.5706	Dark brown	Dark brown	Loose	
40	Slightly curved	Light brown	Coarse	102.30	10.23	97.75	6.15	2.15	1.72	7.00	2.26	22.0920	0.68	6.6470	36.00	2.91	28.4460	5.35	38.9120	1.5376	Brown	Brown	Loose	
41	Slightly curved	Brown	Medium	145.30	14.53	68.82	11.25	2.32	1.66	8.00	3.15	21.7450	0.91	6.2530	50.00	4.49	30.9010	5.93	40.6120	2.4202	Dark brown	Dark brown	Loose	
42	Slightly curved	Brown	Medium	139.30	13.93	71.79	11.15	2.84	1.49	16.00	2.51	18.0190	0.67	4.8090	78.00	4.17	29.9260	5.62	40.4160	2.2754	Dark brown	Dark brown	Loose	
43	Slightly curved	Brown	Medium	154.40	15.44	64.77	11.45	2.42	1.64	11.00	2.84	19.2340	0.33	2.1370	62.00	5.52	35.7510	6.15	39.8320	2.4497	Brown	Brown	Loose	
44	Slightly curved	Light brown	Coarse	197.30	19.73	50.68	12.9[illegible]	2.30	1.79	21.67	4.14	26.5830	1.06	5.3720	67.00	5.05	25.5960	8.60	43.5880	3.7466	Dark brown	Dark brown	Loose	
45	Slightly curved	Dark brown	Medium	159.90	15.99	62.54	10.71	2.53	1.52	3.33	3.45	21.5760	0.52	3.2520	51.00	4.27	26.7040	7.63	48.9680	3.8342	Dark brown	Dark brown	Loose	
46	Slightly curved	Dark brown	Medium	135.40	13.54	[illegible]	12.61	2.31	1.76	12.33	3.21	16.4280	1.21	6.1920	66.00	5.51	28.1990	8.74	44.7290	3.9093	Dark brown	Dark brown	Loose	
47	Slightly curved	Light brown	Medium	181.20	18.12	55.19	11.61	2.49	1.67	17.33	3.54	20.0880	0.56	3.2310	72.00	4.83	25.9320	9.33	51.4390	4.9049	Brown	Brown	Loose	
48	Slightly curved	Brown	Medium	150.50	15.05	66.45	11.61	2.25	1.49	7.67	2.90	19.2630	0.37	2.4580	68.00	5.39	35.8140	6.28	42.3920	2.7046	Dark brown	Dark brown	Loose	
49	Slightly curved	Light brown	Medium	131.50	13.15	[illegible]	11.10	2.22	1.44	8.33	3.13	23.8350	0.74	5.5430	70.00	3.96	29.6630	5.36	40.1490	2.1520	Brown	Brown	Loose	
50	Slightly curved	Brown	Coarse	126.20	12.62	79.24	9.75	2.35	1.56	8.00	2.87	22.7430	0.48	3.8030	63.00	4.04	32.0130	5.55	43.9760	2.4409	Brown	Brown	Loose	
51	Slightly curved	Brown	Medium	214.90	21.49	46.53	13.15	2.64	1.72	20.67	4.13	19.2180	1.79	8.2450	72.00	5.95	27.6870	5.90	46.0680	4.5607	Brown	Brown	Loose	
52	Slightly curved	Light brown	Coarse	[illegible]	[illegible]	[illegible]	8.[illegible]	2.30	1.72	17.33	3.23	26.1540	0.54	4.3720	55.00	3.93	31.8220	5.15	41.7000	2.1476	Brown	Brown	Loose	
53	Slightly curved	Light brown	Medium	139.30	[illegible]	[illegible]	9.[illegible]	2.02	1.57	10.33	2.31	20.2190	0.51	4.6660	61.00	4.40	40.2560	3.60	32.9370	1.1857	Brown	Brown	Loose	
54	Slightly curved	Dark brown	Medium	89.30	8.93	111.98	6.[illegible]	2.22	1.48	9.00	1.34	21.7250	0.52	5.8230	36.00	3.00	33.5950	3.22	36.0580	1.1611	Brown	Brown	Loose	
55	Slightly curved	Dark brown	Coarse	221.30	22.13	45.21	12.[illegible]	2.49	[illegible]	11.66	2.69	12.1610	1.73	7.8210	85.00	6.72	30.3790	7.73	35.2170	2.7434	Brown	Brown	Loose	
56	Slightly curved	Light brown	Coarse	129.70	12.97	77.10	9.[illegible]	2.42	1.54	10.00	2.64	20.3150	0.32	2.4670	51.00	3.75	29.1440	5.45	42.0970	2.2985	Dark brown	Dark brown	Loose	
57	Slightly curved	Light brown	Coarse	155.70	15.57	64.23	9.[illegible]	2.39	1.60	15.33	3.27	21.0020	0.52	3.3190	52.00	5.02	32.2410	6.22	39.3490	2.4848	Brown	Brown	Loose	
58	Slightly curved	Dark brown	Medium	105.90	10.59	94.43	7.9[illegible]	2.25	1.66	11.33	2.30	20.7740	0.21	1.9830	42.00	3.25	37.4770	4.30	49.1310	2.1126	Brown	Brown	Loose	
59	Slightly curved	Dark brown	Medium	151.00	15.10	[illegible]	10.[illegible]	2.62	1.42	6.67	2.62	17.1240	0.47	3.0720	70.00	4.00	26.1440	6.87	44.3020	3.0948	Dark brown	Dark brown	Loose	
60	Slightly curved	Light brown	Medium	163.70	16.37	61.09	12.[illegible]	2.42	1.57	11.67	3.09	18.8760	0.69	4.2150	75.00	6.14	37.5080	5.83	35.6140	2.0762	Brown	Brown	Loose	
61	Slightly curved	Dark brown	Medium	103.60	10.36	96.53	[illegible]	2.11	1.53	6.67	2.32	22.3340	0.43	4.1510	64.00	3.56	34.1630	3.76	36.2910	1.3646	Brown	Brown	Loose	
62	Slightly curved	Dark brown	Fine	171.90	17.19	58.17	13.[illegible]	2.60	1.63	15.67	3.79	22.0490	0.69	3.9560	61.00	4.81	27.9810	7.96	46.3060	3.6860	Dark brown	Dark brown	Loose	
63	Slightly curved	Light brown	Medium	167.10	16.71	59.84	11.[illegible]	2.65	1.52	13.33	2.66	15.3130	0.84	5.0270	62.00	5.17	30.3390	7.35	45.3620	3.5609	Dark brown	Dark brown	Loose	
64	Slightly curved	Light brown	Coarse	141.40	14.14	70.72	10.[illegible]	2.19	1.58	12.67	2.62	18.5290	0.92	6.5060	69.00	5.16	36.4920	5.06	35.7650	1.8107	Brown	Brown	Loose	
65	Slightly curved	Light brown	Medium	163.10	16.31	61.31	12.45	2.31	1.49	12.67	2.31	20.2840	0.63	4.2310	73.00	5.55	34.0250	6.19	37.8910	2.2417	Dark brown	Dark brown	Loose	
66	Slightly curved	Light brown	Medium	100.20	10.02	[illegible]	[illegible]	2.32	1.45	4.67	1.76	16.9660	0.36	3.5930	41.00	2.35	23.4530	4.58	45.7090	2.0935	Dark brown	Dark brown	Loose	
67	Slightly curved	Dark brown	Medium	152.20	15.22	65.70	[illegible]	2.46	1.66	9.00	3.26	21.4130	1.13	7.4240	43.00	4.92	32.2250	6.03	39.6190	2.2390	Dark brown	Dark brown	Loose	
68	Slightly curved	Dark brown	Coarse	146.10	14.61	68.45	[illegible]	2.40	1.70	14.67	2.64	18.0630	0.32	2.1900	58.00	4.19	28.6790	6.21	42.5050	2.6296	Dark brown	Dark brown	Loose	
69	Slightly curved	Brown	Coarse	174.20	17.42	57.41	[illegible]	2.47	1.56	13.67	3.25	18.7140	0.53	3.2870	68.00	4.79	27.4970	5.16	35.3620	2.1783	Dark brown	Dark brown	Loose	
70	Slightly curved	Dark brown	Medium	120.50	12.05	82.99	[illegible]	2.50	1.67	12.67	2.31	19.1700	0.44	3.6510	45.00	3.02	25.0620	5.51	45.7260	2.5196	Dark brown	Dark brown	Loose	
71	Slightly curved	Dark brown	Coarse	112.10	[illegible]	[illegible]	[illegible]	2.11	1.57	14.33	2.72	20.5300	0.38	2.8770	60.00	4.49	32.9890	4.93	[illegible]	1.8199	[illegible]	Brown	Loose	
72	Slightly curved	Dark brown	Fine	195.70	19.57	[illegible]	[illegible]	2.57	1.74	15.33	4.02	[illegible]	0.61	4.1390	78.00	5.61	28.6660	7.83	39.8570	3.1098	Dark brown	Dark brown	Loose	
73	Slightly curved	Dark brown	Medium	[illegible]	[illegible]	[illegible]	[illegible]	2.31	1.75	8.33	2.03	19.5890	0.27	2.4730	31.00	3.96	27.1060	4.91	[illegible]	2.2077	Brown	Brown	Loose	
74	Slightly curved	Dark brown	Medium	245.40	24.54	40.75	14.75	2.65	1.77	14.33	5.00	20.3750	1.56	7.9970	72.00	6.50	26.4870	10.31	[illegible]	4.2480	Dark brown	Dark brown	Loose	
75	Slightly curved	Light brown	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	2.11	1.50	7.33	2.22	17.0110	0.77	5.9000	66.00	4.84	37.0890	4.60	[illegible]	[illegible]	Brown	Brown	Loose	
76	Slightly curved	Dark brown	Medium	156.20	15.62	64.02	[illegible]	1.91	1.46	7.67	2.99	19.1420	0.54	3.4570	58.00	5.71	32.9950	6.63	42.4460	2.8142	Dark brown	Dark brown	Loose	
77	Slightly curved	Dark brown	Medium	[illegible]	[illegible]	[illegible]	[illegible]	2.40	[illegible]	[illegible]	[illegible]	19.1110	[illegible]	2.4180	56.00	4.02	31.2570	5.51	[illegible]	2.2681	Brown	Brown	Loose	
78	Slightly curved	Dark brown	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	2.21	1.84	5.33	[illegible]	17.4520	0.32	2.4150	35.00	2.63	29.5260	3.92	[illegible]	1.6867	Dark brown	Dark brown	Loose	
79	Slightly curved	Light brown	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.53	11.00	2.95	19.1540	0.56	3.4450	74.00	6.02	37.0450	5.99	[illegible]	2.1149	Brown	Brown	Loose	
80	Slightly curved	Brown	Medium	[illegible]	[illegible]	[illegible]	[illegible]	2.44	1.47	17.33	2.73	21.6460	0.48	4.1270	60.00	3.28	28.2030	4.57	[illegible]	1.7959	Dark brown	Dark brown	Loose	
81	Slightly curved	Brown	Medium	[illegible]	13.55	[illegible]	[illegible]	[illegible]	1.38	14.33	2.46	19.5260	0.45	3.5620	67.00	4.13	32.6520	4.45	[illegible]	1.5766	Dark brown	Dark brown	Loose	
82	Slightly curved	Light brown	Coarse	[illegible]	14.83	67.43	[illegible]	[illegible]	1.40	17.00	3.19	20.8160	0.40	2.6970	67.00	4.62	31.1530	5.64	[illegible]	2.1443	Brown	Brown	Loose	
83	Slightly curved	Light brown	Coarse	[illegible]	20.33	49.21	[illegible]	2.47	[illegible]	15.00	3.45	19.3470	1.26	6.2013	56.00	5.21	25.6390	5.99	[illegible]	[illegible]	Dark brown	Dark brown	Loose	
84	Slightly curved	Dark brown	Medium	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.71	13.67	3.15	16.8340	0.74	3.9650	64.00	5.32	28.0740	7.68	[illegible]	[illegible]	Dark brown	Dark brown	Loose	
85	Slightly curved	Light brown	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.47	13.00	[illegible]	[illegible]	0.51	3.1760	60.00	5.54	34.5170	[illegible]	[illegible]	2.3557	Dark brown	Dark brown	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

*Volume = Water replacement

SAKHARKHEDA (41 specimens)

S.No.	Pod Shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pods/kg.	Pod Dimensions Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Character of pod: Wt. of shell (gm)	% wt. of shell	Wt. of vein (gm)	% wt. of vein	No. of seed	Wt. of seed (gm)	% wt. of seed	Pulp wt. (gm)	% pulp wt.	Real value** of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	-	-	376.55	77.93	12.83	16.54	3.27	[illegible]	165.41	11.11	14.5151	-	-	11.13	15.34	24.8480	40.80	53.4550	21.3834	-	-	-	
2	Half circular	-	-	331.85	63.32	15.75	16.13	2.73	1.32	34.11	9.21	13.4029	-	-	10.25	15.59	23.5060	35.70	53.8700	13.3637	-	-	-	
3	Half circular	-	-	439.32	69.54	20.41	16.00	3.45	1.46	70.47	10.26	20.9710	-	-	8.75	16.35	22.2750	15.45	21.5710	4.8777	-	-	-	
4	Straight	-	-	511.[illegible]	51.23	19.54	15.32	2.73	[illegible]	42.02	14.96	29.1073	-	-	8.26	12.72	26.3420	24.21	47.2540	11.3439	-	-	-	
5	Half circular	-	-	167.[illegible]	33.72	29.[illegible]	13.71	2.01	1.45	44.19	6.42	16.5810	-	-	10.70	9.91	25.5940	20.73	53.5190	11.0441	-	-	-	
6	Half circular	-	-	434.[illegible]	43.43	20.[illegible]	15.75	3.45	1.75	120.59	15.15	30.7300	-	-	9.83	19.55	25.1560	30.55	41.5540	4.5661	-	-	-	
7	Half circular	-	-	344.[illegible]	29.43	5.[illegible]	16.25	2.34	1.57	64.58	6.74	17.5550	-	-	10.16	11.56	31.1460	18.77	46.3600	5.3745	-	-	-	
8	Half circular	-	-	587.46	50.59	19.77	17.73	2.57	1.71	79.22	9.14	18.0520	-	-	10.57	13.06	25.8110	25.17	51.7330	11.5138	-	-	-	
9	Half circular	-	-	437.[illegible]	63.72	16.[illegible]	15.50	2.99	1.88	102.99	15.52	25.2160	-	-	10.17	15.05	24.3790	27.03	43.7820	11.8375	-	-	-	
10	Straight	-	-	457.67	45.77	21.85	17.90	2.54	1.61	73.31	9.72	19.9250	-	-	8.90	19.67	23.3070	19.38	42.3510	8.2049	-	-	-	
11	Half circular	-	-	546.4[illegible]	54.64	18.[illegible]	16.00	2.72	1.94	84.2[illegible]	10.37	20.6400	-	-	9.10	14.81	25.5470	25.20	45.5510	11.5739	-	-	-	
12	Half circular	-	-	537.71	51.77	19.33	21.16	2.13	1.79	69.62	17.52	27.3270	-	-	11.43	17.50	28.2300	20.99	33.9740	7.1596	-	-	-	
13	Half circular	-	-	605.30	60.72	16.47	22.50	2.65	1.85	123.25	13.59	20.2510	-	-	10.41	16.96	27.9270	21.56	35.5070	7.6540	-	-	-	
14	Half circular	-	-	7[illegible].75	73.69	13.57	23.25	2.94	1.67	102.76	13.50	20.6850	-	-	11.25	15.33	24.8730	27.25	36.3190	10.9420	-	-	-	
15	Straight	-	-	575.78	57.58	17.38	21.54	2.72	1.68	100.15	10.37	17.8570	-	-	8.17	13.69	23.4570	28.23	48.5240	11.6513	-	-	-	
16	Half circular	-	-	341.68	34.42	29.[illegible]	15.75	2.35	1.32	54.42	11.95	34.[illegible]90	-	-	3.63	11.23	32.8160	11.95	34.7530	4.1669	-	-	-	
17	Straight	-	-	514.06	51.40	19.[illegible]	16.00	2.96	1.50	90.58	14.44	28.1080	-	-	8.13	8.78	16.4570	24.53	46.5700	11.4240	-	-	-	
18	Half circular	-	-	738.57	74.46	13.54	27.71	3.04	1.64	155.21	17.67	23.2933	-	-	12.14	16.54	20.9780	35.51	45.0160	13.3941	-	-	-	
19	Half circular	-	-	4[illegible]	43.[illegible]	19.[illegible]	25.00	2.42	[illegible]	142.42	16.00	15.6080	-	-	11.81	18.36	22.6740	36.70	44.1210	15.1524	-	-	-	
20	Straight	-	-	540.35	54.03	17.[illegible]	19.45	[illegible]	1.79	100.73	10.85	18.5980	-	-	9.15	11.81	20.3580	25.21	50.3460	14.7076	-	-	-	
21	Half circular	-	-	506.22	50.63	19.75	17.38	2.61	1.66	90.54	11.[illegible]	27.4030	-	-	9.00	11.78	27.2960	15.76	31.1560	4.9149	-	-	-	
22	Straight	-	-	559.65	55.96	17.87	18.[illegible]	2.75	1.72	86.12	17.49	32.8380	-	-	9.25	11.32	21.3490	21.11	39.6450	8.4125	-	-	-	
23	Half circular	-	-	269.29	26.93	37.13	15.42	2.56	1.42	55.47	9.16	35.2180	-	-	7.14	7.17	26.6290	7.94	29.4590	3.3429	-	-	-	
24	Half circular	-	-	335.40	33.54	31.71	15.25	2.36	1.67	71.[illegible]	9.60	27.2075	-	-	6.29	10.42	31.0370	7.66	21.2570	1.6604	-	-	-	
25	Straight	-	-	371.[illegible]	37.14	30.79	16.00	2.47	1.[illegible]	69.24	7.12	26.1540	-	-	7.60	8.74	29.3460	5.68	20.8560	1.1870	-	-	-	
26	Half circular	-	-	382.43	38.24	26.15	19.45	2.53	1.32	72.28	10.34	27.0510	-	-	9.00	10.92	28.5560	9.72	25.4130	2.4706	-	-	-	
27	Straight	-	-	270.00	27.00	37.04	11.60	2.46	1.75	50.62	5.28	19.5555	-	-	4.40	5.62	20.8070	11.02	40.8[illegible]	4.4579	-	-	-	
28	Half circular	-	-	4[illegible].[illegible]	45.55	21.97	19.25	2.53	1.47	67.69	13.25	29.0220	-	-	7.75	10.50	24.0190	10.38	24.0260	2.5328	-	-	-	
29	Straight	-	-	340.25	34.03	29.39	16.71	2.47	1.24	61.24	11.31	33.2430	-	-	5.57	17.33	50.2060	4.63	13.3670	0.6189	-	-	-	
30	Straight	-	-	450.09	45.00	22.24	21.40	2.63	1.[illegible]	90.12	13.22	29.7190	-	-	9.40	13.94	31.3510	8.92	19.[illegible]	1.7257	-	-	-	
31	Straight	-	-	347.36	34.73	28.77	14.2[illegible]	2.02	1.17	42.14	10.34	30.3040	-	-	7.25	8.53	25.0700	10.41	30.5070	3.1176	-	-	-	
32	Half circular	-	-	565.53	56.55	17.68	21.57	3.06	1.94	125.34	16.[illegible]	30.2260	-	-	9.67	14.55	24.9070	11.68	19.9540	2.3212	-	-	-	
33	Straight	-	-	536.40	53.64	18.64	23.21	2.39	1.72	114.34	15.[illegible]	28.8500	-	-	11.06	18.28	34.0270	8.22	15.3710	1.2476	-	-	-	
34	Half circular	-	-	255.17	25.52	39.20	15.47	2.01	1.[illegible]	42.[illegible]	15.73	25.5750	-	-	3.83	14.47	23.5170	23.82	37.6910	3.4631	-	-	-	
35	Half circular	-	-	517.14	51.71	19.34	19.50	2.74	1.77	94.44	15.16	29.3090	-	-	9.62	11.50	22.2380	12.76	24.6610	2.1869	-	-	-	
36	Half circular	-	-	445.11	44.51	22.47	15.93	3.14	1.31	[illegible]	11.30	25.3850	-	-	7.67	7.85	17.5980	14.23	31.9610	4.4755	-	-	-	
37	Half circular	-	-	557.25	55.73	17.94	21.02	2.57	1.46	120.46	14.49	24.4250	-	-	11.38	15.25	27.3090	12.25	20.5110	2.5125	-	-	-	
38	Half circular	-	-	4[illegible].87	43.47	23.12	16.75	2.34	1.71	[illegible]	11.42	26.2370	-	-	5.67	10.37	23.4180	10.98	25.1460	2.5490	-	-	-	
39	Straight	-	-	523.00	52.30	19.12	20.40	2.93	1.42	[illegible]	11.14	25.1240	-	-	10.41	13.96	26.6920	14.30	27.3420	3.8093	-	-	-	
40	Half circular	-	-	5[illegible].25	45.[illegible]	[illegible]	[illegible]	2.97	1.[illegible]	[illegible].51	16.75	34.0270	-	-	7.50	12.73	25.8550	13.71	27.9120	3.5280	-	-	-	
41	Straight	-	-	279.40	27.94	[illegible]	[illegible]	2.[illegible]	1.75	45.27	9.72	34.7800	-	-	7.00	6.64	23.7100	7.04	25.1[illegible]	1.7996	-	-	-	

*Real value of pulp = % Pulp wt. × Pulp wt. / Pod volume × Length × Width × Thickness

SABUNGEBAS (51 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt. of pod (gm)	No. of pods/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume³ (cc)	Character of pod Wt. of shell(gm)	% wt. of shell	Wt. of vein(gm)	% wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp wt. (gm)	%Pulp wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Slightly curved	Brown	Fine	170.10	17.01	58.72	12.40	2.45	1.45	11.67	3.55	20.8800	0.54	3.7500	81.00	4.68	27.4810	7.32	42.9930	[illegible]	Brown	Brown	Loose	
2	Slightly curved	Brown	Fine	259.40	25.94	43.55	13.75	2.61	1.74	21.11	4.90	21.2230	1.30	5.6570	96.00	5.58	24.2220	10.12	44.0630	[illegible]	Brown	Brown	Tight	
3	Slightly curved	Brown	Fine	365.10	36.51	27.72	15.15	2.95	1.20	14.67	6.54	23.9160	1.26	4.7530	80.00	8.27	31.1960	9.94	37.6460	[illegible]	Brown	Brown	Loose	
4	Slightly curved	Brown	Fine	176.70	17.67	56.59	13.50	2.65	1.62	13.67	3.51	19.8540	0.94	5.5460	46.00	4.11	23.2710	8.25	46.5530	[illegible]	Brown	Brown	Loose	
5	Slightly curved	Light brown	Fine	223.40	22.34	44.76	13.50	2.59	1.50	17.46	4.25	19.3030	0.77	3.6040	78.00	6.42	30.0840	9.23	43.2530	[illegible]	Brown	Brown	Tight	
6	Slightly curved	Brown	Fine	233.60	23.36	42.81	11.25	2.57	1.54	13.00	3.25	17.0125	0.93	5.0650	93.00	5.74	31.2630	9.25	48.3150	[illegible]	Brown	Brown	Loose	
7	Half circular	Brown	Coarse	276.70	27.67	36.14	16.75	2.63	1.95	16.40	4.13	14.9260	0.88	3.1800	84.00	5.46	19.7130	9.16	33.2550	[illegible]	Brown	Brown	Tight	
8	Slightly curved	Brown	Fine	302.50	30.25	33.11	13.10	2.51	1.53	11.00	6.19	20.4230	0.72	3.4810	92.00	5.40	25.6270	12.55	42.3150	[illegible]	Brown	Brown	Loose	
9	Slightly curved	Brown	Fine	136.40	13.64	73.32	10.50	2.16	1.55	5.46	3.10	22.3140	0.80	5.7640	70.00	4.27	31.4940	4.99	35.9510	[illegible]	Brown	Brown	Loose	
10	Slightly curved	Brown	Fine	130.00	13.00	76.93	12.25	2.59	1.72	9.33	4.21	32.4692	1.45	5.5850	68.00	5.46	28.7770	7.59	41.5260	[illegible]	Dark brown	Dark brown	Loose	
11	Slightly curved	Brown	Fine	245.30	24.53	40.77	14.55	2.55	1.75	16.67	6.05	24.6870	2.77	9.8470	65.00	4.14	14.7170	13.64	48.5310	[illegible]	Brown	Brown	Loose	
12	Slightly curved	Brown	Coarse	279.90	27.99	35.70	14.15	2.46	1.51	9.33	3.73	20.9430	0.96	5.4750	92.00	5.45	30.6540	7.02	39.3170	[illegible]	Dark brown	Dark brown	Loose	
13	Slightly curved	Brown	Fine	120.50	12.05	83.04	10.00	2.21	1.60	5.06	2.69	22.6170	0.61	4.6140	66.00	3.99	30.1820	4.51	34.1250	[illegible]	Brown	Brown	Loose	
14	Slightly curved	Brown	Fine	163.10	16.31	61.31	11.50	2.59	1.75	7.67	3.75	22.9920	0.51	3.1960	56.00	4.35	26.6710	6.54	40.1110	[illegible]	Dark brown	Dark brown	Loose	
15	Slightly curved	Brown	Fine	197.20	19.72	72.93	9.65	2.57	1.61	7.00	3.59	21.0645	0.54	4.2270	50.00	4.65	33.8920	5.07	26.5510	[illegible]	Brown	Brown	Loose	
16	Slightly curved	Light brown	Fine	224.30	22.43	44.63	12.65	2.65	1.66	15.33	3.71	16.5940	1.50	6.6170	59.00	4.73	21.0410	11.22	49.9110	[illegible]	Dark brown	Dark brown	Loose	
17	Slightly curved	Brown	Fine	199.10	19.91	50.22	14.15	2.72	1.91	24.33	5.11	25.6650	1.54	7.7150	67.00	3.99	20.0400	9.29	46.6596	[illegible]	Brown	Brown	Loose	
18	Slightly curved	Brown	Fine	208.70	20.87	47.92	13.25	2.67	1.50	16.00	4.05	23.2873	0.68	3.9580	65.00	4.32	25.2430	9.50	45.5130	[illegible]	Dark brown	Dark brown	Loose	
19	Slightly curved	Brown	Coarse	244.30	24.43	41.05	16.55	2.80	1.95	21.33	5.67	23.2070	1.23	5.0500	94.00	6.76	27.6140	9.71	39.6650	[illegible]	Dark brown	Dark brown	Loose	
20	Slightly curved	Brown	Fine	193.73	19.37	51.61	10.45	2.52	1.44	3.33	3.85	17.8190	0.55	5.3043	74.00	3.28	31.6290	4.05	41.6600	[illegible]	Brown	Brown	Loose	
21	Slightly curved	Brown	Fine	200.70	20.07	49.83	13.50	2.55	1.65	14.00	4.23	21.5741	1.23	6.1290	97.00	4.96	23.3650	8.02	39.9600	[illegible]	Brown	Brown	Loose	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	Slightly curved	Brown	Coarse	225.20	22.52	44.42	12.47	2.75	1.60	22.67	6.79	21.3010	1.47	5.0210	106.00	6.11	20.6100	10.70	36.6190	[illegible]	Brown	Brown	Loose	
24	Slightly curved	Brown	Fine	248.50	24.85	40.23	13.15	2.60	1.55	20.67	4.71	19.9460	1.72	6.9190	76.00	4.09	16.4520	13.19	53.0170	[illegible]	Dark brown	Dark brown	Loose	
25	Slightly curved	Brown	Fine	91.00	9.10	109.89	9.05	2.05	1.25	4.33	2.56	28.1320	0.49	5.3850	34.00	1.76	19.3410	3.96	43.5160	[illegible]	Brown	Brown	Loose	
26	Slightly curved	Brown	Coarse	156.25	15.63	64.00	14.00	2.30	1.54	6.33	3.37	21.5520	0.68	4.0430	74.00	5.14	30.5590	6.07	38.8880	[illegible]	Dark brown	Dark brown	Loose	
27	Slightly curved	Brown	Fine	175.97	17.60	56.8	12.20	2.75	1.65	11.33	4.23	24.0860	0.64	3.6770	75.00	3.53	19.7320	7.03	39.2390	[illegible]	Dark brown	Dark brown	Loose	
28	Slightly curved	Brown	Fine	163.00	16.30	61.35	14.50	2.95	1.70	12.33	3.22	19.7422	0.72	4.4790	65.00	3.76	23.2590	6.19	37.9140	[illegible]	Dark brown	Dark brown	Loose	
29	Slightly curved	Brown	Coarse	153.30	15.33	65.21	10.75	2.59	1.34	14.67	3.28	21.4520	0.42	2.7470	62.00	2.93	19.1610	7.54	49.3120	[illegible]	Dark brown	Dark brown	Loose	
30	Slightly curved	Brown	Coarse	253.20	25.32	39.52	13.75	2.65	1.73	21.67	6.44	25.2950	0.36	1.4100	79.00	6.00	23.7470	12.87	44.5020	[illegible]	Dark brown	Dark brown	Tight	
31	Slightly curved	Brown	Fine	208.70	20.87	47.92	14.45	2.71	1.61	14.00	3.21	5.7260	1.21	5.7960	76.00	4.51	21.6090	10.61	50.8190	[illegible]	Dark brown	Dark brown	Loose	
32	Slightly curved	Brown	Fine	197.90	19.79	50.53	14.10	2.77	1.44	13.67	4.51	24.1271	0.73	3.9000	81.00	4.00	21.3110	7.75	41.5590	[illegible]	Dark brown	Dark brown	Loose	
33	Slightly curved	Brown	Fine	216.10	21.61	46.28	14.25	2.77	1.75	23.67	6.43	29.7260	2.41	7.5000	110.00	6.05	28.0560	12.02	55.6420	[illegible]	Brown	Brown	Loose	
34	Slightly curved	Brown	Fine	124.90	12.49	77.54	11.25	2.45	1.47	9.33	3.02	21.1470	0.56	4.3490	61.00	3.35	26.0390	5.15	40.1620	[illegible]	Dark brown	Dark brown	Loose	
35	Slightly curved	Brown	Coarse	157.40	15.74	63.77	11.50	2.55	1.65	13.33	4.69	26.1810	1.07	6.1690	66.00	5.57	31.1490	11.66	45.3970	[illegible]	Dark brown	Dark brown	Loose	
36	Slightly curved	Brown	Coarse	243.00	24.30	41.15	13.10	2.84	1.92	41.33	7.77	31.9700	1.34	5.5000	90.00	6.65	26.3820	16.09	47.2210	[illegible]	Dark brown	Dark brown	Tight	
37	Slightly curved	Light brown	Coarse	186.30	18.63	53.71	12.45	2.45	1.77	20.33	4.25	22.7700	0.95	5.0450	57.00	4.16	22.0520	8.53	44.2260	[illegible]	Dark brown	Dark brown	Tight	
38	Slightly curved	Brown	Fine	152.50	15.25	[illegible]	11.00	2.05	1.55	10.00	3.19	24.5700	0.56	4.3140	53.00	3.69	28.5900	6.06	46.7700	[illegible]	Brown	Brown	Loose	
39	Slightly curved	Light brown	Coarse	197.00	19.70	50.83	11.75	2.37	1.45	15.67	3.65	19.4100	0.76	3.8520	65.00	4.66	23.6120	9.74	49.3830	[illegible]	Dark brown	Dark brown	Loose	
40	Slightly curved	Brown	Fine	197.10	19.71	50.68	14.40	2.45	1.55	13.33	4.73	24.0700	1.02	5.1820	95.00	4.95	24.4320	9.15	45.1960	[illegible]	Dark brown	Dark brown	Loose	

SAMANEA S (Continued)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gs)	Ave. Wt. of pod (gs)	No. of pods/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gs)	% Wt. of shell	Wt. of vein(gs)	% Wt. of vein	No. of seed	Wt. of seed(gs)	% Wt. of seed	Pulp Wt. (gs)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
41	Slightly curved	Brown	Fine	164.90	16.49	60.64	11.60	2.61	1.79	13.67	4.08	24.7420	0.56	3.5170	65.00	3.19	19.3450	6.23	37.7960	2.6657	Dark brown	Dark brown	Loose	
42	Slightly curved	Brown	Fine	153.60	15.36	65.10	11.96	2.54	1.92	19.67	4.52	29.4270	0.69	4.4929	53.00	2.62	17.0570	6.35	41.3360	3.0545	Dark brown	Dark brown	Loose	
43	Slightly curved	Brown	Fine	160.40	16.04	62.34	11.00	2.59	1.05	9.33	3.85	20.2620	0.93	5.1750	72.00	2.00	10.2080	8.83	55.0430	4.8608	Dark brown	Dark brown	Loose	
44	Slightly curved	Brown	Fine	143.60	14.36	69.64	11.10	2.15	1.63	15.67	3.55	24.7210	0.87	6.0660	59.00	3.71	25.8360	4.56	31.7550	1.4480	Brown	Brown	Loose	
45	Slightly curved	Brown	Fine	109.90	10.99	90.99	12.95	2.17	1.55	9.33	2.36	21.4740	0.41	3.7300	66.00	2.57	20.6510	4.63	42.1250	1.9506	Light brown	Light brown	Loose	
46	Slightly curved	Brown	Fine	133.30	13.33	74.38	14.50	2.77	1.77	22.00	4.30	25.3820	1.55	9.2650	54.00	3.49	18.4850	8.37	49.5140	3.9095	Dark brown	Dark brown	Loose	
47	Slightly curved	Light brown	Fine	178.20	17.82	56.12	14.54	2.44	1.77	15.00	4.20	23.5690	0.92	5.1630	89.00	4.95	27.7780	6.51	36.7770	2.6795	Dark brown	Dark brown	Loose	
48	Slightly curved	Brown	Fine	157.30	15.73	75.39	13.00	2.00	1.37	15.00	3.12	24.3640	0.42	3.2840	75.00	4.33	33.8550	4.31	33.6380	1.4524	Dark brown	Dark brown	Loose	
49	Slightly curved	Brown	Coarse	259.00	25.90	38.54	17.55	2.51	1.56	24.33	5.19	20.0300	1.60	6.1660	99.00	6.51	25.0870	11.64	44.9590	5.2511	Dark brown	Dark brown	Tight	
50	Slightly curved	Brown	Coarse	149.40	14.94	67.02	12.60	2.52	1.57	23.67	2.95	19.7390	0.54	3.6190	72.00	4.16	27.8320	4.70	31.4710	1.4355	Dark brown	Dark brown	-	
51	Slightly curved	Brown	Fine	115.[illegible]	11.[illegible]	86.[illegible]	12.70	2.[illegible]	1.02	10.00	2.66	22.4850	0.51	4.4800	66.00	2.52	21.3020	5.36	45.3050	2.4356	Dark brown	Dark brown	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

*Volume = water replacement

UCUK TAMI (5 specimens)

No.	Pod shape	Pod shell colour	Pod shell texture	Wt. of 10 pods (gs)	Ave. Wt. of pod (gs)	No. of pods/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gs)	% Wt. of shell	Wt. of vein(gs)	% Wt. of vein	No. of seed	Wt. of seed(gs)	% Wt. of seed	Pulp Wt. (gs)	%Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	-	-	347.17	34.72	28.80	24.41	2.73	1.68	106.42	7.47	21.5080	-	-	11.33	10.67	30.7260	15.07	43.3990	6.5385	-	-	-	
2	Half circular	-	-	347.63	34.76	28.77	19.34	2.58	1.71	124.63	7.40	21.2870	-	-	10.00	11.13	32.0020	14.05	40.4173	5.5796	-	-	-	
3	Half circular	-	-	326.40	32.64	30.65	22.41	2.45	1.66	107.87	6.16	18.2420	-	-	12.00	11.85	35.1060	14.44	42.7710	6.1617	-	-	-	
4	Half circular	-	-	260.00	26.00	38.46	15.35	2.46	1.75	70.54	5.35	15.5900	-	-	9.50	7.48	28.7500	13.75	52.8650	7.2717	-	-	-	
5	Half circular	-	-	277.43	27.74	31.50	21.40	2.74	1.65	107.02	5.36	16.3760	-	-	10.00	9.02	28.4060	15.64	49.2400	7.7083	-	-	-	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

**Volume = Length x Width x Thickness

Table 2 Detail data of 283 sour tamarind specimens , 1987.

MONG THAI (7 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Brown	0.080	Coarse	311.11	31.11	32.14	18.19	2.86	1.84	49.45	9.46	30.4073	2.32	7.4572	9.67	9.27	29.7965	12.0700	38.7966	4.6827	Dark brown	Moist	Loose	
2	Half circular	Brown	0.090	Coarse	310.19	31.02	32.24	17.10	2.98	1.89	31.75	8.90	28.6921	2.94	9.1557	9.38	10.09	32.5285	11.7600	37.9122	4.4585	Light brown	Wet	Loose	
3	Half circular	Light brown	0.080	Coarse	347.25	34.73	28.80	17.55	3.05	1.90	39.00	8.36	24.0749	2.48	7.1418	10.50	10.31	29.6904	16.3900	47.1994	7.7360	Dark brown	Moist	Loose	
4	Half circular	Brown	0.080	Fine	355.33	35.53	28.14	17.30	3.32	2.00	40.83	6.85	19.2779	3.50	9.8500	9.00	9.58	26.9609	16.6800	46.9423	7.8300	Dark brown	Moist	Loose	
5	Slightly curve	Dark brown	0.065	Medium	257.08	25.71	38.90	14.28	3.07	1.67	30.50	5.65	21.9776	1.38	5.3680	6.00	7.53	29.2905	12.4200	48.3118	6.0003	Light brown	Wet	Loose	
6	Half circular	Brown	0.070	Medium	327.00	32.70	30.58	15.54	2.94	1.90	40.40	6.04	18.4709	2.00	6.1162	10.00	10.48	32.0489	14.2200	43.4862	6.1837	Light brown	Wet	Loose	
7	Half circular	Brown	0.080	Medium	303.60	30.36	32.94	16.30	2.96	1.90	38.40	6.56	21.6074	1.64	5.4018	10.00	9.50	31.2912	13.7400	45.2569	6.2193	Brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

MUNDARAN (31 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Light brown	0.090	Fine	343.25	34.33	29.13	13.25	3.21	1.91	81.24	7.25	21.1216	1.26	3.6708	9.80	9.02	26.2782	16.84	49.0605	8.2618	Light brown	Moist	Loose	
2	Straight	Brown	0.080	Coarse	328.03	32.80	31.25	16.69	2.75	1.77	81.24	6.51	20.3422	1.49	4.6559	9.50	10.50	32.8095	13.35	41.7155	5.5690	Brown	Moist	Loose	
3	Half circular	Brown	0.070	Fine	600.00	60.00	16.67	22.52	3.22	1.66	173.83	11.50	19.1667	3.00	5.0000	10.60	13.00	21.6667	32.50	54.1667	17.6042	Dark brown	Moist	Loose	
4	Half circular	Brown	0.075	Fine	453.97	45.40	22.03	18.45	3.19	1.90	111.47	7.63	16.8073	1.75	3.8549	9.67	11.53	25.3982	18.33	40.3771	7.4011	Brown	Moist	Loose	
5	Half circular	Brown	0.075	Fine	555.00	55.50	18.02	20.02	3.35	2.04	138.22	11.00	19.8198	3.00	5.4054	11.00	16.00	28.8288	25.50	45.9459	11.7162	Light brown	Moist	Loose	
6	Half circular	Light brown	0.080	Fine	386.75	38.68	25.86	15.57	3.62	2.28	128.51	8.28	21.4092	3.03	7.8345	9.67	11.29	29.1920	16.82	43.4906	7.3151	Light brown	Moist	Loose	
7	Half circular	Dark brown	0.075	Fine	354.05	35.41	28.24	16.53	3.32	1.75	96.04	7.71	21.7766	2.11	5.9455	10.40	10.21	28.8377	12.84	36.2661	4.6566	Light brown	Moist	Loose	
8	Half circular	Light brown	0.085	Fine	343.68	34.37	29.10	16.27	2.57	2.00	83.63	7.98	23.2193	1.81	5.2665	10.33	9.86	28.6895	16.64	48.4171	8.0566	Brown	Moist	Tight	
9	Half circular	Brown	0.085	Fine	373.10	37.31	26.80	18.95	2.91	1.96	108.08	8.35	22.3801	1.42	3.8060	10.10	10.57	28.3302	17.79	47.6816	8.4826	Dark brown	Moist	Loose	
10	Half circular	Dark brown	0.065	Fine	365.85	36.59	27.33	16.51	3.25	2.19	117.51	7.33	20.0355	1.92	5.2481	9.00	10.27	28.0716	17.58	48.0525	8.4476	Dark brown	Moist	Loose	
11	Half circular	Light brown	0.085	Fine	317.45	31.75	31.50	18.34	2.92	1.87	102.42	7.45	23.4683	1.71	5.3867	10.60	10.09	31.7845	13.08	41.2033	5.3894	Brown	Moist	Loose	
12	Half circular	Dark brown	0.065	Fine	362.93	36.29	27.55	16.00	2.50	1.40	54.96	6.89	18.9844	1.71	4.7117	10.14	11.04	30.4191	17.50	48.2187	8.4383	Dark brown	Moist	Loose	
13	Half circular	Dark brown	0.065	Fine	382.42	38.24	26.15	16.42	3.00	1.73	85.22	7.48	19.5596	2.03	5.3083	8.00	11.52	31.1699	19.35	50.5889	9.7909	Brown	Moist	Loose	
14	Half circular	Brown	0.070	Fine	507.03	50.70	19.72	22.07	3.49	2.17	167.14	10.77	21.2413	2.23	4.3982	10.43	14.79	29.1699	24.11	47.5514	11.4646	Dark brown	Moist	Loose	
15	Half circular	Dark brown	0.090	Fine	321.50	32.15	31.10	18.06	3.09	2.04	113.84	6.81	21.1820	1.99	6.1897	10.25	11.51	35.8009	17.41	54.1524	9.4279	Dark brown	Moist	Loose	
16	Half circular	Light brown	0.065	Fine	325.40	32.54	30.73	16.87	2.96	1.89	94.38	6.00	18.4388	1.28	3.9336	9.60	10.62	32.6368	14.08	43.2698	6.0924	Light brown	Moist	Loose	
17	Straight	Dark brown	0.075	Fine	335.55	33.56	29.80	14.92	3.24	1.83	87.87	6.99	20.8315	1.47	4.3660	9.90	10.98	32.7224	15.30	45.5958	6.9763	Dark brown	Moist	Loose	
18	Straight	Light brown	0.060	Fine	249.75	24.98	40.04	16.23	2.38	1.49	57.55	6.19	8.4400	1.23	4.9249	6.00	8.44	33.7938	10.28	41.1612	4.2314	Brown	Moist	Loose	
19	Half circular	Dark brown	0.090	Fine	410.00	41.00	24.39	17.23	3.40	2.08	121.85	10.81	12.9800	3.44	8.3902	10.50	12.98	31.6585	20.03	48.8537	9.7854	Light brown	Moist	Loose	
20	Half circular	Brown	0.070	Fine	490.10	49.01	20.40	18.12	3.28	2.26	134.32	10.54	12.9800	6.74	13.7523	11.60	15.42	31.4630	21.30	43.4605	9.2571	Dark brown	Moist	Loose	
21	Straight	Brown	0.065	Fine	395.89	39.59	25.26	15.83	3.44	1.94	105.64	7.82	19.7530	3.17	8.0073	10.71	12.35	31.1955	18.37	46.4018	8.5240	Brown	Moist	Loose	
22	Half circular	Brown	0.065	Fine	436.50	43.65	22.91	15.12	3.44	2.12	139.44	9.42	21.5808	2.06	4.7134	9.40	13.00	29.7824	20.57	47.1249	9.6935	Brown	Moist	Loose	
23	Half circular	Brown	0.080	Fine	538.80	53.88	18.56	19.15	3.70	1.90	134.62	12.04	22.3460	5.05	9.3727	7.75	13.13	24.3690	23.95	44.4506	10.6459	Light brown	Moist	Loose	
24	Straight	Brown	0.065	Fine	324.25	32.43	30.84	18.92	2.95	1.95	104.66	7.95	24.5181	1.80	5.5513	9.80	10.67	32.9067	13.54	41.7579	5.6540	Dark brown	Moist	Loose	
25	Half circular	Brown	0.080	Fine	450.71	45.07	22.19	20.16	3.70	1.91	142.47	10.96	24.3172	3.17	7.0333	7.86	10.50	23.2966	23.75	52.6546	12.5150	Brown	Moist	Loose	
26	Straight	Dark brown	-	-	519.05	51.91	19.27	13.85	3.13	2.01	87.11	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	Half circular	Brown	0.080	Fine	551.00	55.10	18.15	24.95	3.35	2.11	176.36	10.00	18.1488	3.50	6.3521	10.20	13.00	23.5935	28.60	51.9056	14.8450	Dark brown	Moist	Loose	
28	Half circular	Brown	0.065	Fine	368.31	36.83	27.27	14.34	3.45	1.63	80.94	5.48	20.4241	1.22	4.5283	8.90	8.45	31.4934	11.82	44.0535	5.2071	Dark brown	Moist	Loose	
29	Half circular	Light brown	0.065	Fine	373.79	37.38	26.75	17.10	3.22	2.06	117.30	9.14	24.4522	2.46	6.5812	8.57	11.04	34.8859	15.98	42.7513	6.8317	Dark brown	Moist	Loose	
30	Straight	Dark brown	0.060	Fine	299.71	29.97	33.37	14.62	3.59	1.61	60.26	5.32	17.7505	2.16	7.2070	10.80	9.26	30.8565	14.18	47.3124	6.7085	Dark brown	Moist	Loose	
31	Straight	Light brown	0.075	Fine	322.65	32.21	31.03	-	-	-	-	7.83	24.3130	2.12	6.5828	9.00	9.92	30.8027	10.43	32.3663	3.3773	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Length x Width x Thickness

KALASIN (11 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Light brown	0.110	Fine	269.25	26.93	37.14	14.47	3.02	1.90	83.03	7.89	29.3036	1.67	6.2024	6.20	7.58	28.1523	11.13	41.3370	4.5008	Dark brown	Moist	Loose	
2	Straight	Brown	0.080	Fine	364.62	36.46	27.43	16.22	2.82	1.93	88.28	7.84	21.5018	1.87	5.1286	10.80	10.19	27.9469	14.84	40.6999	6.0399	Dark brown	Moist	Loose	
3	Half circular	Brown	0.080	Fine	346.20	34.62	28.89	16.45	2.11	1.60	81.86	7.24	20.9128	1.96	5.6615	10.00	10.23	29.5494	16.37	47.2848	7.7405	Dark brown	Moist	Loose	
4	Half circular	Dark brown	0.085	Fine	306.65	30.67	32.61	14.56	3.79	2.37	130.78	9.19	29.9690	0.92	3.0002	9.00	7.08	23.0882	14.67	47.8396	7.0181	Dark brown	Moist	Loose	
5	Half circular	Brown	0.055	Coarse	389.60	38.96	25.67	16.47	3.55	2.09	122.20	7.92	20.3285	2.17	5.5698	8.80	11.03	28.3111	19.32	49.5893	9.5807	Brown	Moist	Loose	
6	Half circular	Light brown	0.075	Fine	317.10	31.71	31.54	16.57	2.54	1.78	86.71	7.71	24.3141	1.73	5.4557	9.60	10.17	32.0719	13.73	43.2986	5.9449	Light brown	Moist	Loose	
7	Half circular	Light brown	0.095	Coarse	407.40	40.74	24.55	15.01	3.69	2.30	127.39	9.06	22.2386	2.51	6.1610	8.57	10.75	26.3868	20.59	50.5400	10.4062	Brown	Moist	Loose	
8	Half circular	Brown	0.080	Fine	271.55	27.16	36.83	14.40	3.00	1.73	74.74	5.88	21.6535	1.28	4.7137	7.80	8.35	30.7494	12.39	45.6270	5.5532	Dark brown	Moist	Loose	
9	Half circular	Brown	0.085	Fine	339.25	33.93	29.48	14.69	3.58	2.23	117.28	8.39	24.7310	1.16	3.4193	9.30	9.65	28.4451	16.53	48.7251	8.0543	Brown	Moist	Loose	
10	Half circular	Dark brown	0.075	Fine	325.21	32.52	30.75	19.22	2.80	1.61	86.64	9.93	30.5341	2.27	6.9801	8.50	8.04	24.7225	15.37	47.2618	7.2541	Light brown	Moist	Loose	
11	Half circular	Dark brown	0.100	Fine	319.50	31.95	31.30	13.95	3.29	2.11	96.84	6.83	21.3772	1.62	5.0704	9.30	8.04	25.1643	12.95	40.5321	5.2489	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
**Volume = Length x Width x Thickness

UBON (84 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Straight	Dark brown	0.050	Fine	297.10	29.71	33.66	14.71	2.84	1.52	63.50	7.30	24.5709	2.09	7.0347	9.20	8.60	28.9465	12.79	43.0495	5.5060	Light brown	Moist	Loose	
2	Half circular	Brown	0.085	Fine	375.85	37.59	26.61	17.45	3.13	1.92	104.87	9.14	24.3182	1.76	4.6827	8.50	9.31	24.7705	15.25	40.5747	6.1876	Dark brown	Moist	Loose	
3	Half circular	Brown	0.075	Fine	317.50	31.75	31.50	19.27	3.00	1.89	104.06	8.67	27.3071	1.64	5.1654	8.90	9.84	30.9921	14.36	45.2283	6.4948	Brown	Moist	Loose	
4	Half circular	Brown	0.100	Fine	399.00	39.90	25.06	18.33	3.07	1.87	105.23	10.94	27.4185	2.25	5.6391	10.40	11.84	29.5742	17.80	44.6115	7.9409	Dark brown	Moist	Loose	
5	Half circular	Brown	0.090	Coarse	343.80	34.38	29.09	16.20	2.92	1.77	83.73	6.42	18.6736	1.26	3.6649	8.70	8.42	24.4910	12.52	36.4165	4.5593	Dark brown	Moist	Loose	
6	Half circular	Dark brown	0.070	Fine	344.45	34.45	29.03	17.06	3.55	1.94	117.49	8.99	26.0996	1.98	5.7493	8.00	9.48	27.5221	14.89	43.2283	6.4357	Dark brown	Moist	Loose	
7	Half circular	Light brown	0.070	Fine	310.31	31.03	32.23	19.29	2.74	1.62	85.62	8.47	27.2953	1.35	4.3505	8.70	8.59	27.6820	11.51	37.0900	4.2591	Brown	Moist	Loose	
8	Straight	Dark brown	0.055	Fine	441.60	44.16	22.64	22.41	2.99	1.96	124.63	9.43	21.3542	2.13	4.8234	11.63	12.13	27.4683	22.46	50.8605	11.4233	Brown	Moist	Loose	
9	Half circular	Brown	0.080	Fine	455.10	45.51	21.97	18.27	3.63	2.08	137.95	9.73	21.3799	2.35	5.1637	9.17	11.52	25.3131	23.18	50.9339	11.8065	Light brown	Moist	Loose	
10	Straight	Dark brown	0.065	Fine	354.75	35.48	28.19	19.58	2.94	1.84	105.92	8.38	23.6223	1.87	5.2713	10.70	11.82	33.3192	15.67	44.1720	6.5217	Dark brown	Moist	Loose	
11	Half circular	Brown	0.090	Fine	475.55	47.56	21.03	19.21	3.54	2.00	136.01	12.43	26.1382	2.67	5.6146	8.60	10.00	21.0283	24.24	50.9725	12.3557	Brown	Moist	Loose	
12	Half circular	Brown	0.090	Fine	438.15	43.82	22.82	19.35	3.42	1.88	124.41	10.78	24.6034	2.39	5.4548	12.20	13.15	30.0126	20.01	45.6693	9.1384	Brown	Moist	Loose	
13	Straight	Dark brown	0.060	Fine	337.95	33.80	29.59	18.25	2.83	1.69	88.83	8.07	23.8753	1.54	4.5569	10.50	9.16	27.1046	17.60	52.0787	9.1659	Brown	Moist	Loose	
14	Half circular	Brown	0.070	Fine	442.10	44.21	22.62	18.97	3.33	2.02	127.60	9.22	20.8550	2.84	6.4239	10.40	4.18	9.4549	18.05	40.8279	7.3694	Brown	Moist	Loose	
15	Half circular	Dark brown	0.095	Coarse	420.39	42.04	23.79	17.01	3.31	2.11	118.80	10.31	24.5248	2.20	5.2332	8.10	10.35	24.6200	19.65	46.7423	9.1849	Dark brown	Moist	Loose	
16	Half circular	Brown	0.110	Coarse	331.55	33.16	30.16	13.03	3.49	2.27	103.23	10.37	31.2773	2.74	8.2642	8.40	9.86	29.7391	19.52	58.8750	11.4934	Dark brown	Moist	Tight	
17	Half circular	Dark brown	0.065	Fine	358.10	35.81	27.93	17.70	2.83	2.65	82.65	8.07	22.5356	1.81	5.0545	11.40	10.64	29.7124	18.41	51.4102	9.4646	Dark brown	Moist	Loose	
18	Half circular	Dark brown	0.085	Fine	394.30	39.43	25.36	17.88	3.02	1.98	106.92	6.19	15.6987	1.88	4.7553	10.40	10.08	25.5643	19.71	43.3873	9.8525	Dark brown	Moist	Loose	
19	Half circular	Dark brown	0.085	Fine	368.20	36.82	27.15	16.55	3.12	1.96	101.53	9.32	25.3123	2.56	6.9527	6.90	10.47	28.4356	16.03	43.5361	6.9793	Dark brown	Moist	Loose	
20	Half circular	Brown	0.085	Fine	367.78	36.78	27.19	17.91	3.13	2.06	115.48	10.22	27.7884	1.31	3.5619	10.00	10.91	29.6645	16.21	44.0753	7.1446	Brown	Moist	Loose	
21	Half circular	Light brown	0.090	Fine	515.20	51.52	19.41	17.69	4.49	2.68	212.87	11.56	22.4379	3.42	6.6382	9.89	11.81	22.9231	27.60	53.5714	14.7857	Brown	Moist	Loose	
22	Half circular	Dark brown	0.075	Fine	493.37	49.34	20.27	17.29	3.49	2.05	123.35	11.13	22.5591	3.13	6.3441	8.30	12.78	27.9304	21.53	43.6386	9.3954	Light brown	Moist	Loose	
23	Half circular	Brown	0.010	Fine	410.30	41.03	24.37	15.91	3.76	2.11	126.02	8.79	21.4233	2.34	5.7031	9.22	11.59	28.2476	19.18	46.7462	8.9559	Brown	Moist	Loose	
24	Straight	Dark brown	0.070	Fine	360.00	36.00	27.78	17.63	2.98	2.15	111.90	8.05	22.3611	2.48	6.8889	9.50	12.16	33.7778	15.22	42.2778	6.4347	Brown	Moist	Loose	
25	Straight	Light brown	0.090	Fine	381.95	38.20	26.18	19.00	3.89	1.91	104.88	8.06	21.1022	2.23	5.8385	11.80	12.78	33.4599	16.00	41.8903	5.5024	Light brown	Moist	Loose	
26	Straight	Dark brown	0.060	Fine	379.40	37.94	26.42	15.46	3.64	2.27	136.17	8.44	22.3044	2.22	5.8668	8.56	10.00	26.4271	19.89	52.5634	10.4[illegible]	Dark brown	Moist	Loose	
27	Straight	Dark brown	0.085	Fine	335.20	33.52	29.83	14.62	3.23	1.97	93.31	7.46	22.2554	1.43	4.2512	8.50	10.92	32.5776	14.82	44.2124	6.5[illegible]	Light brown	Moist	Loose	
28	Half circular	Brown	0.110	Medium	329.10	32.91	30.39	17.04	3.15	1.56	48.10	8.32	25.2811	1.55	4.7098	9.00	8.63	26.2230	6.17	18.7481	1.1568	Dark brown	Wet	Loose	
29	Half circular	Brown	0.090	Medium	336.30	33.63	29.74	16.87	3.22	2.18	49.80	8.28	24.6209	1.72	5.1145	8.30	8.08	24.0262	15.58	46.3277	[illegible]	Dark brown	Wet	Loose	
30	Slightly curve	Dark brown	0.085	Fine	278.10	27.81	35.96	13.49	[illegible]	2.00	35.50	5.17	18.5904	2.16	7.7670	7.20	8.14	29.2700	11.85	42.6106	7.[illegible]	Brown	Moist	Loose	
31	Straight	Dark brown	0.075	Coarse	172.05	17.21	58.12	12.56	[illegible]	2.06	22.00	4.33	25.1671	0.79	4.5917	8.60	6.15	35.7454	8.29	48.1837	[illegible]	Brown	Moist	Loose	
32	Half circular	Dark brown	0.070	Medium	212.40	21.24	47.08	13.74	[illegible]	1.86	32.50	5.94	27.9661	1.05	4.9435	7.70	6.00	28.2486	9.31	43.8324	4.[illegible]	Dark brown	Moist	Loose	
33	Half circular	Brown	0.070	Coarse	284.30	28.42	35.17	15.15	2.95	2.06	41.00	6.83	24.0239	1.39	4.8892	10.20	9.01	31.6919	14.88	52.3391	7.7821	Dark brown	Moist	Loose	
34	Half circular	Brown	0.065	Fine	331.55	33.16	30.16	13.93	2.89	2.64	33.90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] (Continued)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Wt. of shell (gm)	% Wt. of shell	Wt of vein (gm)	% Wt. of vein	No. of seed	Wt. of seed (gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
35	Half circular	Brown	0.070	Fine	300.80	30.08	33.24	16.90	2.96	1.77	37.50	6.52	21.6755	1.25	4.1556	12.70	9.21	30.6184	13.89	46.1763	6.4140	Brown	Wet	Loose	
36	Slightly curve	Dark brown	0.075	Medium	309.65	30.97	32.29	15.28	3.05	1.38	34.50	7.32	23.6396	1.68	5.4255	8.80	9.30	30.0329	13.15	42.4673	5.5845	Brown	Moist	Tight	
37	Slightly curve	Brown	0.060	Coarse	300.10	30.01	33.32	14.66	3.03	2.02	41.10	6.42	21.3929	2.58	8.5971	10.20	9.43	31.4229	12.87	42.8857	5.5194	Dark brown	Moist	Loose	
38	Slightly curve	Brown	0.060	Medium	283.35	28.34	35.29	15.06	2.99	1.76	36.50	6.45	22.7594	1.22	4.3056	10.80	9.88	34.8685	11.60	40.9388	4.7489	Light brown	Moist	Loose	
39	Half circular	Brown	0.060	Coarse	303.25	30.33	32.98	14.39	3.01	1.98	44.40	7.57	24.9629	1.45	4.7815	8.90	8.51	28.0627	14.27	47.0569	6.7150	Dark brown	Moist	Loose	
40	Half circular	Dark brown	0.060	Coarse	256.60	25.66	38.97	13.65	3.00	1.98	38.70	5.22	20.3429	0.37	1.4419	8.30	7.57	29.5009	11.48	44.7389	5.1360	Dark brown	Moist	Loose	
41	Half circular	Brown	0.070	Coarse	299.70	29.97	33.37	15.86	3.17	1.91	37.80	6.74	22.4892	1.68	5.6056	8.10	10.29	34.3243	12.72	42.4424	5.3987	Dark brown	Moist	Tight	
42	Slightly curve	Brown	0.070	Coarse	290.20	29.02	34.46	15.30	3.02	1.83	41.90	7.47	25.7409	1.52	5.2378	8.90	9.19	31.6678	12.38	42.6602	5.2813	Dark brown	Moist	Tight	
43	Half circular	Brown	0.070	Coarse	375.75	37.58	26.61	16.59	3.55	2.04	60.00	8.94	23.7924	1.88	5.0033	7.80	10.03	26.6933	16.70	44.4444	7.4222	Dark brown	Moist	Loose	
44	Half circular	Brown	0.060	Fine	381.30	38.13	26.23	13.68	3.12	2.00	45.30	8.36	21.9250	2.04	5.3501	11.10	12.70	33.3071	16.37	42.9321	7.0280	Dark brown	Moist	Loose	
45	Half circular	Brown	0.090	Coarse	341.10	34.11	29.32	15.42	3.50	2.18	46.00	8.61	25.2419	1.87	5.4823	8.30	9.84	28.8478	15.78	46.2621	7.3002	Dark brown	Moist	Loose	
46	Slightly curve	Dark brown	0.075	Coarse	389.20	38.92	25.69	15.44	4.43	1.94	42.40	8.24	21.1716	4.35	11.1768	10.00	10.93	28.0832	16.05	41.2384	6.6199	Light brown	Wet	Tight	
47	Half circular	Dark brown	0.090	Medium	335.15	33.52	29.84	15.27	2.41	2.05	45.30	7.69	22.9450	2.46	7.3400	8.90	10.12	30.1954	12.87	38.4007	4.9422	Brown	Moist	Loose	
48	Half circular	Brown	0.075	Fine	309.60	30.96	32.30	23.03	2.96	1.71	46.50	6.51	21.0271	1.15	3.7145	11.00	10.84	35.0129	13.10	42.3127	5.5430	Brown	Moist	Tight	
49	Half circular	Brown	0.070	Medium	468.80	46.88	21.33	17.75	3.50	2.40	42.50	10.55	22.5043	2.31	4.9275	9.50	11.43	24.3814	24.30	51.8345	12.5958	Light brown	Moist	Loose	
50	Straight	Brown	0.085	Fine	312.00	31.20	32.05	12.09	3.10	2.40	46.50	6.95	22.2756	1.52	4.8718	9.10	8.31	26.6346	13.40	42.9487	5.7551	Brown	Moist	Tight	
51	Half circular	Brown	0.065	Coarse	284.35	28.44	35.17	14.31	2.58	1.79	34.80	6.63	23.3163	1.64	5.7675	9.20	7.83	27.5365	12.70	44.6633	5.6722	Brown	Wet	Loose	
52	Half circular	Brown	0.065	Medium	279.80	27.98	35.74	15.14	3.51	1.89	33.40	6.79	24.2673	1.61	5.7541	8.80	11.23	40.1358	8.27	29.5569	2.4443	Dark brown	Moist	Loose	
53	Half circular	Brown	0.080	Medium	279.10	27.91	35.83	15.08	3.17	2.13	28.10	6.78	24.2924	2.03	7.2734	11.20	8.48	30.3824	12.19	43.6761	5.3241	Dark brown	Moist	Loose	
54	Slightly curve	Brown	0.060	Fine	355.65	35.57	28.12	16.09	3.51	2.13	38.00	7.70	21.6505	2.56	7.1981	11.20	11.65	32.7569	15.71	44.1725	6.9335	Brown	Moist	Loose	
55	Half circular	Brown	0.090	Medium	327.10	32.71	30.57	17.05	3.25	1.92	43.50	7.56	23.1122	1.52	4.6469	9.50	10.43	31.8863	15.32	46.8358	7.1752	Brown	Wet	Loose	
56	Half circular	Brown	0.075	Medium	298.10	29.81	33.55	13.34	3.04	1.32	36.80	6.17	20.6978	1.87	6.2731	9.50	9.97	33.4452	12.96	43.4753	5.6344	Light brown	Moist	Loose	
57	Half circular	Dark brown	0.070	Coarse	464.50	46.45	21.53	20.23	3.64	2.27	55.20	10.38	22.3466	3.31	7.1259	9.40	12.45	26.8030	21.24	45.7256	9.7123	Dark brown	Moist	Loose	
58	Half circular	Dark brown	0.080	Coarse	353.70	35.37	28.27	15.23	3.50	2.04	34.06	8.53	24.1165	3.12	8.8210	10.10	11.53	32.5982	14.47	40.9104	5.9197	Dark brown	Wet	Loose	
59	Half circular	Brown	0.075	Fine	316.90	31.69	31.56	13.52	3.02	2.06	49.60	5.66	17.8605	2.18	6.8791	10.00	10.39	32.7864	13.22	42.0322	5.5567	Brown	Moist	Loose	
60	Half circular	Brown	0.075	Fine	364.30	36.43	27.41	14.95	3.09	2.09	56.10	7.80	21.3816	2.57	7.0450	10.40	11.11	30.4550	15.97	43.7774	6.9913	Brown	Moist	Tight	
61	Half circular	Brown	0.080	Coarse	252.50	25.25	39.60	14.90	2.56	1.77	22.50	6.71	26.5743	1.19	4.7129	11.90	8.70	34.4554	10.45	41.3861	4.3245	Brown	Moist	Loose	
62	Half circular	Brown	0.085	Medium	321.70	32.17	31.08	17.48	3.27	2.04	38.30	8.40	26.1113	1.59	4.9425	9.00	9.69	30.1212	14.20	44.1405	6.2680	Dark brown	Moist	Loose	
63	Half circular	Brown	0.075	Fine	351.70	35.17	28.43	15.60	3.12	1.95	41.90	7.83	22.2633	1.86	[illegible]	[illegible]	11.31	32.1581	[illegible]	44.8394	7.0712	Dark brown	Moist	Loose	
64	Straight	Brown	0.065	Medium	201.40	20.14	49.65	11.10	2.78	2.00	25.80	4.89	24.2800	1.11	5.5114	[illegible]	5.79	28.6391	9.51	47.2195	4.4306	Light brown	Moist	Loose	
65	Half circular	Brown	0.070	Fine	258.50	25.85	38.68	16.34	2.86	1.80	36.00	6.06	23.4429	1.53	5.9188	11.00	8.66	33.5010	11.11	42.9787	4.7743	Light brown	Moist	Loose	
66	Half circular	Brown	0.080	Fine	327.00	32.70	30.58	15.06	2.94	1.92	37.30	7.64	23.2639	1.28	3.9144	10.70	[illegible]	29.7554	15.36	46.9725	7.2150	Dark brown	Moist	Loose	
67	Half circular	Dark brown	0.060	Fine	220.50	22.05	45.35	14.51	2.92	1.90	24.70	6.83	30.9751	1.27	5.7596	9.70	6.15	[illegible]	7.35	33.3333	2.4500	Light brown	Moist	Loose	
68	Half circular	Dark brown	0.085	Medium	329.40	32.94	30.36	16.03	3.13	1.97	41.00	7.94	24.1044	1.86	5.6466	9.30	9.60	[illegible]	15.40	46.8427	[illegible]	Dark brown	Moist	Loose	
69	Straight	Dark brown	0.070	Coarse	219.85	21.99	45.49	13.93	2.60	1.97	24.50	5.88	26.7455	1.40	6.3690	7.70	6.19	28.1556	10.47	47.6224	4.9862	Light brown	Moist	Loose	
70	Half circular	Dark brown	0.075	Coarse	403.30	40.33	24.80	15.52	3.25	2.07	47.30	10.62	26.3333	2.07	5.1339	10.90	12.18	30.2083	[illegible]	41.9999	[illegible]	Dark brown	Moist	Tight	
71	Half circular	Brown	0.050	Fine	220.00	22.00	45.45	13.25	2.81	1.79	31.40	4.33	19.6818	0.78	3.5455	9.00	7.74	35.1818	10.10	45.9031	4.6356	Light brown	Moist	Tight	
72	Half circular	Dark brown	0.070	Medium	382.70	38.27	26.13	17.03	3.26	1.91	33.10	8.33	21.7664	2.62	6.8461	11.50	13.04	34.0737	16.22	42.4092	6.8830	Light brown	Wet	Loose	
73	Half circular	Brown	0.075	Medium	396.50	39.65	25.22	13.53	3.41	1.90	3.06	5.46	[illegible]	2.95	7.4401	9.50	7.92	19.9748	12.34	31.1223	3.8405	Brown	Moist	Loose	
74	Half circular	Dark brown	0.075	Fine	279.00	27.90	35.87	15.24	3.31	1.94	44.00	8.53	30.5335	1.43	5.1429	6.90	7.46	26.8145	11.27	40.5396	4.5688	Brown	Moist	Loose	
75	Slightly curve	Brown	0.070	Medium	247.50	24.75	40.40	15.84	2.61	1.67	[illegible]	5.88	23.7576	1.22	4.9293	9.60	8.07	32.6061	10.78	43.5556	[illegible]	Dark brown	Moist	Loose	
76	Slightly curve	Dark brown	0.080	Coarse	275.15	27.52	36.34	17.30	3.03	2.23	[illegible]	9.04	32.8548	1.03	3.7424	9.00	9.31	[illegible]	10.12	36.8153	[illegible]	Dark brown	Moist	Loose	
77	Half circular	Brown	0.060	Coarse	320.70	32.07	31.18	15.60	2.99	1.95	46.50	9.28	28.9367	2.13	6.6417	10.40	10.66	33.2399	11.04	34.4247	3.8005	Dark brown	Moist	Tight	
78	Half circular	Brown	0.070	Coarse	356.95	35.70	28.02	15.13	3.22	1.92	44.00	6.97	19.5265	1.86	5.2109	10.40	13.57	38.0130	6.96	19.4935	[illegible]	Brown	Moist	Loose	
79	Slightly curve	Brown	0.080	Coarse	242.60	24.26	41.22	15.34	2.70	1.62	31.00	5.92	24.4023	0.85	3.5037	10.00	8.21	33.8417	10.63	43.8170	4.6577	Brown	Moist	Loose	
80	Slightly curve	Light brown	0.065	Medium	254.40	25.44	39.31	15.57	2.69	1.78	31.30	6.52	25.6289	1.16	4.5597	10.40	8.62	33.9230	10.71	42.0991	4.5088	Brown	Moist	Loose	
81	Straight	Dark brown	0.080	Medium	213.45	21.35	46.85	12.57	2.35	2.09	27.80	5.55	26.0014	0.84	3.9353	8.00	7.40	34.6685	9.72	45.5376	4.4261	Brown	Moist	Loose	
82	Slightly curve	Dark brown	[illegible]	Coarse	320.15	32.02	31.24	14.35	3.07	1.82	41.50	7.35	22.9580	1.89	5.9025	11.10	9.75	30.4545	14.38	44.9164	6.4630	Dark brown	Moist	Loose	
83	Half circular	Brown	0.065	Fine	252.35	25.24	39.62	12.88	[illegible]	[illegible]	22.50	5.42	21.4781	1.91	7.5693	8.90	10.07	39.9049	9.60	38.0424	[illegible]	Brown	Moist	Loose	
84	Half circular	Brown	0.065	Coarse	379.10	37.91	26.38	13.26	[illegible]	1.92	47.70	7.85	20.7063	2.53	6.6737	10.60	14.77	38.9607	18.61	49.0899	[illegible]	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

**Volume = Length x Width x Thickness

YASITHON (19 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Brown	0.070	Medium	326.70	32.67	30.61	16.45	3.14	1.87	35.40	8.03	24.5791	1.32	4.0464	9.00	10.07	30.8234	14.87	45.5158	6.7682	Brown	Moist	Loose	
2	Half circular	Brown	0.070	Coarse	367.00	36.70	27.25	19.71	3.25	1.66	39.13	9.20	25.0681	2.50	6.8120	10.38	11.21	30.5450	16.49	44.9046	7.4003	Dark brown	Wet	Loose	
3	Half circular	Dark brown	0.090	Medium	350.89	35.09	28.50	20.00	3.29	1.64	33.56	8.08	23.0272	2.84	8.0957	7.33	7.24	20.6332	15.28	43.5464	6.6539	Dark brown	Wet	Loose	
4	Half circular	Light brown	0.135	Coarse	335.10	33.51	29.84	16.29	3.49	2.25	54.30	12.71	37.9290	1.64	4.8941	7.80	7.80	23.2766	11.06	33.0051	3.6504	Dark brown	Moist	Loose	
5	Half circular	Brown	0.080	Coarse	290.89	29.09	34.38	11.22	3.70	2.09	31.67	5.37	18.4606	5.37	18.4606	5.78	8.00	27.5018	14.93	51.3352	7.6629	Dark brown	Moist	Loose	
6	Half circular	Dark brown	0.100	Fine	336.75	33.68	29.70	14.70	3.37	1.85	22.50	7.33	21.7669	3.49	10.3638	9.38	9.38	27.8545	13.21	39.2279	5.1820	Dark brown	Wet	Loose	
7	Slightly curve	Brown	0.080	Coarse	365.56	36.56	27.36	17.87	3.26	2.01	34.67	7.99	21.8543	2.41	6.5926	9.78	10.89	29.7899	6.49	17.7534	1.1522	Dark brown	Moist	Loose	
8	Half circular	Brown	0.070	Coarse	316.25	31.63	31.62	18.13	3.25	1.95	50.00	7.87	24.8954	2.50	7.9051	7.25	9.03	28.5534	16.03	50.6977	8.1252	Dark brown	Moist	Loose	
9	[illegible]ight	Brown	0.080	Medium	339.60	33.96	29.53	15.43	3.35	2.23	58.70	9.46	27.9396	1.68	4.9616	8.20	9.14	26.9935	14.11	41.6716	5.8799	Dark brown	Moist	Loose	
10	[illegible] circular	Brown	0.070	Medium	354.65	35.47	28.20	15.39	3.28	2.01	26.80	7.72	21.7679	2.30	6.4853	11.20	11.22	31.6348	15.76	44.4382	7.0035	Dark brown	Wet	Loose	
11	Slightly curve	Brown	0.060	Fine	304.75	30.48	32.81	17.20	3.68	1.75	35.00	7.30	23.9541	2.50	8.2034	8.25	7.78	25.5291	15.90	52.1739	8.2957	Dark brown	Wet	Loose	
12	Half circular	Brown	0.070	Coarse	241.40	24.14	41.43	17.02	2.71	1.53	22.90	5.78	23.9437	1.02	4.2254	10.80	9.14	37.8625	8.96	37.1169	3.3257	Dark brown	Dry	Loose	
13	Half circular	Brown	0.075	Medium	519.38	51.94	19.29	24.95	3.78	2.13	45.00	10.50	20.2554	5.13	9.8962	10.75	12.35	25.7533	22.65	43.6925	9.8966	Dark brown	Wet	Loose	
14	Half circular	Brown	0.065	Coarse	419.60	41.96	23.84	16.25	3.58	1.83	62.50	8.95	21.3349	4.58	10.9178	9.25	11.88	28.3194	15.95	38.0215	6.0644	Light brown	Wet	Loose	
15	Half circular	Brown	0.070	Coarse	291.79	29.18	34.27	14.84	3.11	1.97	42.11	7.04	24.1278	1.87	6.4089	9.78	9.01	30.8734	11.60	39.7540	4.6117	Light brown	Moist	Loose	
16	Half circular	Dark brown	0.080	Coarse	425.60	42.56	24.65	17.46	3.63	2.19	56.70	9.42	23.2249	1.65	4.0680	10.60	12.93	31.8787	17.21	42.4310	7.3024	Dark brown	Moist	Loose	
17	Half circular	Brown	0.090	Medium	509.50	50.95	19.63	27.00	3.35	1.90	55.50	12.25	24.0432	4.15	8.1452	11.50	14.75	28.9500	27.20	53.3857	14.5209	Dark brown	Moist	Loose	
18	Half circular	Brown	0.085	Coarse	348.05	34.83	28.72	16.63	3.22	2.08	52.50	10.20	29.2393	2.78	7.9828	11.75	13.18	37.8464	16.29	46.7767	7.6199	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

ROI ET (3 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Dark brown	0.075	Coarse	272.00	27.20	34.25	15.41	2.80	1.97	46.00	6.1900	21.1986	3.2400	11.0959	10.20	9.48	32.4658	11.4000	39.0411	4.4507	Dark brown	Moist	Loose	
2	Half circular	Brown	0.075	Coarse	254.40	25.44	37.31	12.32	3.52	2.24	31.30	6.0200	23.6635	1.3500	5.4245	8.00	8.91	35.0026	10.1200	39.8192	4.0337	Dark brown	Moist	Loose	
3	Half circular	Brown	0.075	Coarse	298.11	29.81	33.54	13.89	3.14	1.94	42.56	7.4200	24.8901	1.7200	5.7697	9.10	8.43	28.2722	10.2700	34.4504	3.5381	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

MAHA SARAKHAM (7 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Brown	0.080	Coarse	336.75	33.68	28.86	14.18	3.89	2.30	53.20	8.50	21.9800	2.62	6.7744	9.40	11.21	29.2437	18.38	47.5242	8.7350	Dark brown	Moist	Tight	
2	Half circular	Dark brown	0.070	Fine	330.15	33.02	30.29	18.57	2.91	1.82	45.00	8.02	21.9800	1.81	5.4824	10.40	9.19	27.8353	14.62	44.2829	6.4742	Light brown	Dry	Tight	
3	Half circular	Dark brown	0.095	Coarse	343.20	34.32	29.14	16.55	3.61	2.22	57.90	9.73	21.9500	2.63	7.6632	7.60	9.59	27.9429	15.84	46.1528	7.3106	Brown	Dry	Loose	
4	Half circular	Dark brown	0.070	Coarse	332.55	33.26	30.07	17.76	2.92	2.10	54.00	7.64	21.9800	1.28	3.8490	10.20	11.38	34.2204	14.91	44.8354	6.6850	Dark brown	Moist	Loose	
5	Half circular	Dark brown	0.090	Fine	373.05	37.31	26.81	18.17	3.16	2.01	65.10	8.17	21.9500	1.07	2.8682	10.40	11.42	30.5589	11.72	31.4167	3.6820	Dark brown	Moist	Loose	
6	Half circular	Brown	0.070	Fine	377.65	37.77	26.47	17.81	3.03	1.93	49.40	8.37	21.9800	1.21	3.2023	10.70	12.07	31.9429	17.37	45.9706	7.9851	Dark brown	Moist	Loose	
7	Half circular	Brown	0.075	Fire	350.70	35.07	28.51	17.59	3.23	1.96	64.90	7.80	21.9300	1.22	3.4799	10.70	11.10	31.6510	16.70	45.4[illegible]	7.2997	Dark brown	Dry	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

[illegible] (17 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume# (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Straight	Brown	0.020	Medium	159.80	15.98	62.58	11.82	2.68	1.57	20.00	4.34	27.1589	1.00	6.2578	5.00	4.74	29.6621	6.83	42.7409	2.9192	Brown	Wet	Loose	
2	Half circular	Dark brown	0.025	Fine	258.44	25.84	38.69	15.82	3.12	1.21	32.00	6.79	26.2730	1.92	7.4232	9.11	8.20	31.7298	11.11	42.9997	4.7770	Brown	Moist	Loose	
3	Half circular	Brown	0.050	Fine	231.60	23.16	43.18	15.52	2.71	1.52	21.00	5.67	24.4819	2.06	8.8946	9.10	7.65	33.0311	9.89	42.7029	4.2233	Dark brown	Moist	Loose	
4	Straight	Dark brown	0.035	Coarse	156.50	15.65	63.90	8.31	3.05	1.39	16.50	3.83	24.4729	1.36	8.6901	4.00	3.48	22.2364	8.45	54.1853	4.5789	Dark brown	Moist	Loose	
5	Half circular	Brown	0.055	Coarse	235.64	23.56	42.44	13.15	3.17	1.77	27.27	4.21	17.8692	1.80	7.6398	7.18	7.10	30.1307	11.19	47.4452	5.3044	Dark brown	Moist	Loose	
6	Straight	Dark brown	0.020	Fine	255.00	25.50	39.22	14.34	2.91	1.31	20.72	5.73	22.4706	1.32	5.1765	3.40	8.91	34.9412	10.08	39.5294	3.9845	Brown	Moist	Loose	
7	Slightly curve	Brown	0.030	Coarse	270.00	27.00	37.04	11.43	3.05	2.06	25.50	5.89	21.8148	2.37	8.7778	9.60	8.04	29.7778	11.70	43.3333	5.0700	Dark brown	Wet	Loose	
8	Straight	Brown	0.020	Fine	234.60	23.46	42.62	15.24	2.99	1.73	22.22	5.62	23.9559	1.12	4.7742	9.11	7.81	33.2964	10.86	46.2995	5.0281	Dark brown	Wet	Loose	
9	Half circular	Brown	0.070	Medium	337.70	33.77	29.61	16.16	2.61	1.77	30.00	7.48	22.1498	2.72	8.0545	8.90	11.87	35.1495	13.55	40.1244	5.4369	Light brown	Wet	Loose	
10	Slightly curve	Brown	0.035	Fine	307.50	30.75	32.52	14.42	3.74	2.00	28.50	8.06	26.2114	1.96	6.3740	3.75	9.79	31.8374	16.45	53.4959	8.8001	Brown	Wet	Loose	
11	Half circular	Brown	0.055	Medium	337.10	33.71	29.66	14.27	3.40	1.93	42.20	6.87	20.3797	2.07	6.1405	8.00	9.20	27.2916	16.42	48.9876	8.0567	Dark brown	Wet	Loose	
12	Straight	Brown	0.070	Fine	199.20	19.92	50.20	11.14	3.05	1.33	25.00	4.55	22.8414	1.19	5.9739	6.20	6.09	30.5723	9.49	47.6406	4.5211	Dark brown	Wet	Loose	
13	Half circular	Dark brown	0.070	Fine	241.60	24.16	41.39	11.92	3.08	1.52	26.30	4.86	20.1159	1.26	5.2152	6.30	5.95	24.6275	10.34	42.7980	4.4253	Dark brown	Moist	Loose	
14	Half circular	Dark brown	0.055	Fine	268.10	26.81	37.30	16.11	3.12	1.33	32.15	6.35	23.6852	2.51	9.3622	7.50	8.91	33.2339	10.62	39.6121	4.2068	Dark brown	Moist	Loose	
15	Straight	Dark brown	0.050	Fine	309.87	30.99	32.27	22.01	3.01	1.62	31.10	6.49	20.9443	2.75	8.8747	10.44	8.39	27.0759	15.04	48.5325	7.2993	Dark brown	Moist	Loose	
16	Half circular	Brown	0.055	Medium	301.56	30.16	33.16	14.27	3.05	1.73	39.00	8.89	29.4800	1.77	5.8635	9.67	7.81	25.8997	11.58	38.4003	4.4469	Light brown	Wet	Loose	
17	Half circular	Brown	0.055	Fine	243.40	24.34	41.08	11.02	3.14	1.52	30.30	5.79	23.7880	1.88	7.7239	8.40	5.55	22.8127	9.23	37.9211	3.5001	Light brown	Wet	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
#Volume = Water displacement

SAKONNAKHON (55 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume# (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Brown	[illegible]	Coarse	236.10	23.61	42.35	13.90	2.40	1.35	79.36	6.67	28.2507	1.26	5.3367	10.60	8.14	34.4769	9.22	39.0512	3.6005	Dark brown	Moist	Loose	
2	Straight	Dark brown	[illegible]	Fine	259.10	25.91	38.59	15.03	3.03	1.31	90.54	6.10	23.5430	1.34	5.1712	10.33	8.23	31.9531	11.43	44.1407	5.0447	Dark brown	Moist	Loose	
3	Half circular	Dark brown	[illegible]	Fine	202.20	20.22	49.46	14.15	2.50	1.37	57.74	4.75	23.4916	0.94	4.6489	8.60	7.39	36.5480	8.43	41.6914	3.5146	Brown	Moist	Loose	
4	Half circular	Dark brown	[illegible]	Medium	298.30	29.83	33.52	15.45	3.24	1.39	97.64	7.03	23.5274	1.51	5.0535	10.00	9.17	30.6894	12.33	41.2731	5.5958	Brown	Moist	Loose	
5	Half circular	Dark brown	[illegible]	Fine	246.90	24.69	40.50	13.89	2.33	1.92	74.52	5.51	23.9368	1.39	5.6295	9.30	7.78	31.5107	10.74	43.4994	4.6718	Light brown	Moist	Loose	
6	Half circular	Brown	[illegible]	Fine	227.33	22.73	43.99	15.70	2.70	1.31	83.75	5.03	22.3493	1.00	4.0335	9.30	8.28	35.4276	9.62	42.0223	4.0713	Dark brown	Moist	Loose	
7	Half circular	Dark brown	0.035	Fine	256.90	25.69	38.93	13.09	3.21	2.07	85.98	5.62	21.8762	1.18	4.5933	9.10	8.17	31.8023	11.16	43.4410	4.8480	Light brown	Moist	Tight	
8	Slightly curve	Dark brown	[illegible]	Medium	231.33	23.13	43.23	10.31	2.72	1.73	77.99	6.47	27.9537	0.92	3.9779	7.78	6.60	28.5207	11.58	50.0554	5.7369	Brown	Wet	Tight	
9	Straight	Dark brown	[illegible]	Fine	290.90	29.09	34.37	15.99	3.19	2.19	110.72	7.25	24.9229	1.37	6.7334	10.00	8.53	29.3335	13.00	45.0034	5.8775	Dark brown	Moist	Loose	
10	Straight	Dark brown	0.070	Fine	193.45	19.35	51.61	13.73	2.63	1.31	70.39	7.04	36.3651	0.85	4.5156	7.50	5.70	30.2442	7.46	39.1704	2.9221	Brown	Moist	Loose	
11	Straight	Dark brown	0.075	Fine	234.50	23.45	42.64	13.40	2.95	2.12	84.20	5.43	23.1557	1.81	7.7190	7.15	8.04	34.2857	12.95	55.2239	7.1515	Dark brown	Moist	Loose	
12	Half circular	Dark brown	[illegible]	Fine	250.75	25.08	39.88	14.03	2.34	1.37	77.45	5.73	22.8514	1.15	4.5862	6.80	6.71	26.7597	13.21	52.6820	6.9593	Dark brown	Moist	Loose	
13	Half circular	Dark brown	[illegible]	Fine	207.60	20.76	48.17	13.22	3.16	1.34	90.53	5.49	26.4451	1.85	8.9114	7.40	6.27	30.2023	8.62	41.5222	3.5792	Brown	Moist	Loose	
14	Half circular	Brown	[illegible]	Fine	202.90	20.29	49.29	[illegible]	2.37	[illegible]	75.00	4.22	22.7555	1.03	5.0764	7.00	6.12	30.1526	9.42	46.4363	4.3734	Dark brown	Moist	Loose	
15	Straight	Dark brown	[illegible]	Fine	231.10	23.11	43.27	13.91	2.06	1.54	104.44	5.59	22.6039	3.22	11.0358	8.20	2.72	29.9553	12.51	42.9743	5.3762	Brown	Wet	Tight	
16	Half circular	Dark brown	[illegible]	Medium	262.60	26.26	37.51	[illegible]	2.95	2.14	84.66	7.30	21.3680	4.24	15.3040	7.00	7.37	26.1440	10.55	39.5724	4.1749	Light brown	Wet	Tight	
17	Straight	Light brown	0.077	Medium	266.60	26.66	37.51	15.61	2.41	1.62	72.53	7.12	26.7067	1.31	4.9137	9.40	6.85	25.6939	12.61	47.2993	5.9644	Dark brown	Moist	Loose	
18	Straight	Dark brown	[illegible]	Fine	130.50	13.05	76.57	9.47	2.41	1.33	37.06	5.15	24.1134	0.72	5.9724	5.40	4.32	32.0781	5.00	36.5243	1.8262	Brown	Moist	Loose	
19	Straight	Brown	[illegible]	Medium	215.38	21.54	46.43	11.15	2.84	2.18	69.02	5.10	23.6791	1.91	8.9690	7.25	6.65	30.4114	9.42	44.0159	4.1720	Light brown	Wet	Loose	
20	Half circular	Dark brown	[illegible]	Fine	215.35	21.54	46.72	14.30	2.81	1.98	81.54	6.04	24.6173	1.43	5.8284	3.70	8.76	35.7041	9.33	38.0272	3.5479	Dark brown	Moist	Loose	
21	Slightly curve	Dark brown	0.050	Fine	164.56	16.46	60.77	10.91	2.32	2.14	68.17	4.20	25.5226	1.04	6.3193	5.00	5.04	30.6271	8.30	50.8021	4.2471	Brown	Wet	Loose	
22	Half circular	Brown	[illegible]	Fine	235.10	23.51	42.53	13.15	[illegible]	2.13	111.20	5.45	22.6236	2.39	9.9211	9.20	3.02	31.6280	12.42	43.5537	5.4106	Dark brown	Moist	Loose	
23	Half circular	Brown	[illegible]	Fine	341.30	34.13	29.30	[illegible]	[illegible]	2.12	132.17	7.80	22.8539	2.54	8.6141	10.00	11.15	32.6692	14.71	43.0999	6.3400	Light brown	Wet	Tight	
24	Half circular	Brown	[illegible]	Fine	227.30	22.73	43.99	[illegible]	3.02	2.00	53.59	5.36	23.6234	1.03	4.6233	3.00	7.55	34.4601	9.31	43.3541	4.2245	Brown	Moist	Tight	
25	Half circular	Dark brown	[illegible]	Coarse	222.70	22.27	44.90	10.70	2.55	1.95	73.20	5.13	23.0355	1.75	7.8581	7.40	7.80	35.0247	8.34	37.4495	3.1233	Light brown	Moist	Loose	

[illegible] (Continued)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm3)	Wt. of shell (gm)	% Wt. of shell	Wt. of vein (gm)	% Wt. of vein	No. of seed	Wt. of seed (gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
26	Straight	Dark brown	0.070	Coarse	229.70	22.97	43.70	14.12	2.80	1.99	79.00	5.42	23.7429	1.50	6.5598	9.00	8.55	37.2852	8.06	35.2201	2.8547	Brown	Moist	Loose	
27	Half circular	Brown	0.070	Medium	293.30	29.33	34.04	15.15	2.30	2.01	91.00	6.31	21.5432	1.73	5.3065	11.30	10.44	35.5416	11.82	40.2551	4.7730	Dark brown	Moist	Loose	
28	Half circular	Brown	0.065	Coarse	339.10	33.91	29.49	12.63	2.90	1.68	92.69	7.38	22.5322	1.38	5.8230	10.80	10.31	32.1734	14.11	41.6101	5.8712	Dark brown	Moist	Tight	
29	Half circular	Brown	0.107	Fine	313.50	31.35	31.90	13.45	2.44	2.17	[illegible]	5.10	16.2579	1.27	4.0510	7.50	6.98	22.2643	12.44	39.6810	4.9363	Light brown	Wet	Loose	
30	Half circular	Light brown	[illegible]	Fine	216.50	21.66	46.15	12.50	[illegible]	2.20	[illegible]	5.29	24.4195	2.62	12.0944	9.13	5.86	27.0507	9.40	43.3920	4.0788	Dark brown	Moist	Loose	
31	Half circular	Brown	[illegible]	Coarse	208.90	20.89	47.89	[illegible]	[illegible]	2.09	[illegible]	5.80	27.7778	1.17	5.6024	9.00	7.70	36.8774	9.93	47.5575	4.7225	Light brown	Moist	Tight	
32	Straight	Dark brown	[illegible]	Fine	183.90	18.39	54.38	12.00	2.85	1.60	59.61	3.73	20.2828	1.18	6.4165	8.30	7.25	39.4780	7.57	41.1637	3.1161	Brown	Moist	Loose	
33	Half circular	Brown	[illegible]	Fine	136.30	13.63	[illegible]	[illegible]	[illegible]	2.13	[illegible]	4.64	24.5254	2.07	11.0736	7.44	6.81	35.4502	4.95	25.0130	1.2542	Dark brown	Moist	Loose	
34	Half circular	Dark brown	[illegible]	Fine	244.70	24.47	40.87	15.08	[illegible]	2.20	[illegible]	5.79	23.6616	1.23	5.0266	8.90	8.83	36.0850	9.78	39.9673	3.9030	Light brown	Moist	Tight	
35	Half circular	Dark brown	[illegible]	Fine	193.75	19.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.95	22.4074	1.03	6.4593	5.70	4.30	23.5704	7.70	45.0296	3.5135	Light brown	Moist	Tight	
36	Straight	Brown	[illegible]	Fine	178.10	17.81	[illegible]	[illegible]	[illegible]	1.74	64.17	2.7500	21.0556	1.30	10.0682	7.50	6.45	36.2718	7.24	40.6512	2.9432	Brown	Moist	Loose	
37	Half circular	Brown	0.055	Fine	193.30	19.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.3900	20.4360	1.02	5.3547	8.10	7.00	36.3309	7.12	37.5122	2.6709	Brown	Moist	Loose	
38	Half circular	Dark brown	0.060	Fine	195.40	19.54	[illegible]	[illegible]	2.66	1.91	[illegible]	3.8900	19.8567	1.20	6.1412	8.90	7.27	37.2057	8.31	42.5291	3.5341	Brown	Moist	Loose	
39	Half circular	Dark brown	[illegible]	Fine	265.30	26.53	[illegible]	[illegible]	[illegible]	1.81	34.11	6.2500	22.5109	1.50	5.6410	8.40	7.80	29.5711	8.13	31.0027	2.7054	Brown	Moist	Loose	
40	Half circular	Dark brown	0.050	Fine	207.50	20.75	48.19	[illegible]	[illegible]	[illegible]	91.80	6.45	25.2551	1.29	6.1637	5.90	6.11	29.4459	7.62	36.7229	2.7962	Brown	Moist	Loose	
41	Half circular	Dark brown	[illegible]	Coarse	178.17	17.82	[illegible]	[illegible]	[illegible]	1.89	60.46	3.62	20.2601	1.40	7.9139	7.50	5.51	30.4458	8.05	44.3234	3.6103	Dark brown	Moist	Loose	
42	Half circular	Brown	0.075	Medium	195.98	19.59	34.45	9.51	2.36	1.72	40.42	2.96	27.9562	0.92	8.0112	6.29	4.17	39.3842	4.19	[illegible]	1.6521	Brown	Moist	Loose	
43	Half circular	Brown	[illegible]	Coarse	263.30	[illegible]	[illegible]	13.54	2.53	2.03	38.50	5.67	21.2024	2.00	7.4234	9.00	9.24	34.3229	12.31	45.0505	5.5290	Dark brown	Moist	Loose	
44	Half circular	Dark brown	0.070	Medium	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.45	147.75	7.03	21.5920	2.74	8.4163	8.70	9.68	29.7324	14.56	[illegible]	6.5117	Light brown	Moist	Loose	
45	Half circular	Dark brown	[illegible]	Fine	248.50	24.85	[illegible]	[illegible]	[illegible]	1.92	30.51	6.34	25.5038	1.37	7.3244	10.10	7.40	22.7567	10.01	[illegible]	4.0035	Brown	Wet	Tight	
46	Half circular	Brown	0.065	Coarse	294.20	29.42	[illegible]	[illegible]	[illegible]	2.15	113.40	6.65	22.6037	1.72	5.8464	7.80	8.68	29.5037	17.07	58.0219	9.9049	Dark brown	Moist	Loose	
47	Half circular	Brown	[illegible]	Fine	391.10	39.11	[illegible]	[illegible]	[illegible]	2.20	123.03	8.58	21.9381	3.27	8.3610	10.30	11.38	29.5315	17.22	41.0237	7.5313	Light brown	Moist	Loose	
48	Half circular	Dark brown	[illegible]	Fine	195.45	19.55	51.16	[illegible]	2.50	1.76	75.41	4.90	24.5587	1.57	8.0027	7.00	5.70	29.1635	4.45	22.3315	1.0253	Brown	Moist	Loose	
49	Half circular	Brown	0.070	Fine	157.65	15.77	63.55	[illegible]	2.63	[illegible]	60.03	3.73	22.0633	1.35	8.5525	9.70	5.26	31.3714	7.30	47.1220	3.7226	Dark brown	Moist	Tight	
50	Straight	Brown	0.075	Coarse	199.10	19.91	50.49	12.75	2.60	1.84	[illegible]	4.86	24.2202	1.19	6.0071	8.70	7.07	35.6890	7.93	39.5355	2.0942	Dark brown	Moist	Loose	
51	Half circular	Brown	[illegible]	Medium	103.35	10.33	96.85	9.97	2.20	1.62	[illegible]	2.82	27.3133	0.63	6.1017	8.10	3.58	34.5731	4.50	43.5855	1.9011	Dark brown	Moist	Loose	
52	Half circular	Dark brown	0.065	Fine	178.10	17.81	56.15	11.17	2.74	1.84	[illegible]	3.94	22.1224	1.13	6.2448	7.00	6.02	33.8012	7.78	43.6822	3.3005	Brown	Moist	Loose	
53	Slightly curve	Brown	[illegible]	Coarse	130.20	13.02	[illegible]	15.34	2.50	1.57	[illegible]	4.54	23.3596	1.31	10.0421	8.30	5.44	28.0015	9.14	42.0547	4.2323	Dark brown	Moist	Tight	
54	Half circular	Dark brown	[illegible]	Fine	184.42	18.44	[illegible]	[illegible]	[illegible]	1.77	[illegible]	4.11	22.2949	1.79	9.7056	11.14	6.61	35.8402	7.77	42.1292	3.2735	Dark brown	Moist	Tight	
55	Half circular	Dark brown	[illegible]	Fine	199.40	19.94	[illegible]	[illegible]	[illegible]	1.37	69.05	4.32	21.6149	1.51	7.5727	7.20	7.09	35.5065	9.15	45.8877	4.1937	Brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
**Volume = Length x Width x Thickness

[illegible] (8 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt. of pod (gm)	No. of pod/kg.	Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm3)	Wt. of shell (gm)	% Wt. of shell	Wt. of vein (gm)	% Wt. of vein	No. of seed	Wt. of seed (gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Dark brown	0.070	Fine	[illegible]	[illegible]	[illegible]	13.24	3.84	2.41	53.00	7.50	22.4189	2.25	6.6372	3.30	7.82	23.0973	16.8300	49.6460	8.3554	Dark brown	Moist	Loose	
2	Half circular	Dark brown	0.050	Medium	257.50	25.75	[illegible]	[illegible]	[illegible]	2.15	45.00	6.05	22.6109	1.52	5.8322	9.20	8.78	32.8224	11.6500	43.5375	4.8578	Dark brown	Moist	Loose	
3	Half circular	Brown	0.080	Fine	501.00	50.10	[illegible]	[illegible]	[illegible]	2.99	52.70	11.13	22.1956	3.18	6.3472	7.50	11.32	22.5948	26.6400	53.1737	14.1655	Dark brown	Moist	Loose	
4	Half circular	Brown	0.080	Fine	610.00	[illegible]	[illegible]	[illegible]	[illegible]	3.05	50.40	14.50	24.0013	4.25	6.9745	17.00	13.73	22.5000	32.0500	52.9737	17.1442	Dark brown	Wet	Loose	
5	Half circular	Brown	0.070	Coarse	332.75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.19	21.5778	2.31	6.9421	7.70	8.72	23.2412	13.8700	41.6223	5.7814	Brown	Wet	Loose	
6	Half circular	Dark brown	0.070	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.27	56.00	7.25	24.0900	1.34	5.5758	6.00	3.78	23.0364	14.5100	41.3637	6.0300	Dark brown	Moist	Loose	
7	Half circular	Dark brown	0.070	Fine	250.45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.22	22.2565	1.15	3.8105	9.20	10.15	29.2829	16.2200	46.1724	7.5355	Dark brown	Moist	Loose	
8	Half circular	Dark brown	0.065	Fine	295.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.84	19.7360	2.20	7.4575	7.70	[illegible]	23.5703	15.0900	51.2544	8.5501	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

THICKIT (1 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness texture (cm)	Wt. of 10 pods (gm)	Avg. Wt of pod (gm)	No. of pod/Kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value† of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Half circular	Dark brown	0.070	Medium	319.00	21.00	45.00	10.07	2.00	1.35	21.00	0.0500	30.0650	1.6400	5.0821	0.00	7.05	33.0015	9.20	49.0001	0.0048	Dark brown	Moist	Loose

*Thus value of pulp = [% Pulp Wt. x Pulp Wt.] / 100
†Value = Water replacement

MATHOMPATHIM (25 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness texture (cm)	Wt. of 10 pods (gm)	Avg. Wt of pod (gm)	No. of pod/Kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cc)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt. of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value† of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Half circular	Dark brown	0.055	Coarse	200.00	20.00	45.00	17.13	2.30	1.70	30.00	7.50	20.0454	5.11	7.4004	10.00	9.93	31.0117	15.51	40.0200	4.0079	Dark brown	Moist	Loose
2	Slightly curve	Dark brown	0.100	Coarse	140.00	14.00	50.00	10.07	2.00	1.50	15.00	4.31	23.0051	1.50	10.4500	5.00	5.60	37.5910	8.05	41.0024	3.5012	Dark brown	Moist	Loose
3	Half circular	Dark brown	0.055	Coarse	271.00	27.10	50.00	17.13	2.00	1.50	14.10	5.19	22.0000	4.47	10.0700	7.00	10.00	45.4920	21.00	78.0000	10.7000	Dark brown	Moist	Loose
4	Straight	Brown	0.080	Coarse	220.00	22.00	50.00	15.01	2.00	1.51	20.40	9.43	22.0500	1.42	6.0077	9.00	9.11	30.4577	9.34	37.3110	3.1001	Dark brown	Moist	Loose
5	Half circular	Brown	0.070	Coarse	140.00	14.00	50.00	11.07	2.05	1.00	7.00	4.25	22.0010	1.12	7.0100	7.00	5.14	34.5122	5.70	39.0570	2.2554	Dark brown	Moist	Loose
6	Half circular	Brown	0.080	Coarse	175.00	17.50	50.00	10.00	2.00	1.00	17.00	5.13	22.0000	1.17	6.6791	9.00	5.37	33.5010	9.00	44.0105	3.1007	Dark brown	Moist	Loose
7	Half circular	Brown	0.070	Coarse	131.00	13.10	50.00	10.10	2.50	1.70	10.40	4.24	22.0107	1.44	7.7022	9.00	5.02	32.5050	8.00	44.0510	3.7100	Dark brown	Moist	Loose
8	Half circular	Brown	0.070	Coarse	107.00	10.70	50.00	10.05	2.00	1.54	11.20	5.01	20.0000	0.77	4.0100	9.00	5.01	35.0000	8.45	30.0000	2.4000	Brown	Wet	Loose
9	Half circular	Brown	0.065	Coarse	241.00	24.10	40.00	17.00	2.00	2.00	17.00	7.00	22.0501	1.69	6.9500	9.00	7.45	30.4200	10.57	43.1005	4.5001	Dark brown	Wet	Loose
10	Half circular	Brown	0.070	Medium	111.00	11.10	50.00	11.01	2.00	1.00	10.50	4.22	22.0000	0.92	4.0750	9.47	4.49	31.0111	5.03	41.1000	2.1100	Dark brown	Moist	Loose
11	Slightly curve	Brown	0.065	Coarse	202.00	20.20	50.00	15.05	2.00	1.55	20.00	7.44	22.1000	1.70	7.5441	9.00	9.00	35.5040	10.04	47.0710	5.1000	Brown	Moist	Loose
12	Half circular	Dark brown	0.080	Coarse	200.00	20.00	40.00	10.01	2.00	1.70	27.00	9.00	44.7004	1.34	6.1530	9.47	4.07	30.4520	7.00	33.0000	2.0074	Dark brown	Moist	Loose
13	Half circular	Brown	0.080	Thin	200.00	20.00	40.00	10.00	2.00	1.00	10.00	10.05	25.0000	0.00	0.0000	9.47	9.00	37.0000	10.00	45.4000	4.0000	Dark brown	Moist	Loose
14	Half circular	Dark brown	0.070	Medium	110.00	11.00	50.00	10.04	2.00	1.00	20.00	5.45	27.0000	0.45	17.0000	9.00	5.00	30.3500	9.01	41.0000	4.0000	Dark brown	Moist	Loose
15	Half circular	Brown	0.070	Medium	150.00	15.00	50.00	10.00	2.00	1.00	15.00	6.00	20.1000	0.67	4.4474	9.00	5.00	35.0500	9.00	40.0000	3.7000	Dark brown	Moist	Loose
16	Half circular	Dark brown	0.070	Coarse	150.00	15.00	50.00	10.00	2.00	1.00	10.00	4.43	20.4700	0.00	5.5000	9.00	4.00	30.0000	7.05	40.7000	3.0000	Dark brown	Moist	Loose
17	Half circular	Brown	0.065	Coarse	100.00	10.00	50.00	10.07	2.00	1.00	10.00	4.39	20.4000	1.55	7.7000	9.00	6.07	37.4000	8.00	37.0000	2.0000	Dark brown	Wet	Loose
18	Half circular	Dark brown	0.070	Coarse	100.00	10.00	50.00	10.00	2.00	1.00	10.00	11.00	25.0324	1.00	6.0000	9.47	4.00	34.1004	4.47	35.0000	1.0004	Dark brown	Moist	Loose
19	Half circular	Dark brown	0.070	Coarse	100.00	10.00	50.00	10.00	2.00	1.00	10.40	4.01	25.0000	0.94	21.0100	9.00	4.00	34.5000	4.00	35.0000	1.0000	Dark brown	Wet	Loose
20	Half circular	Dark brown	0.070	Medium	210.00	20.10	50.00	15.00	2.00	1.00	24.50	9.00	20.1000	1.00	0.0007	9.00	7.00	30.4000	10.00	40.0000	4.0000	Dark brown	Moist	Loose
21	Straight	Brown	0.070	Thin	100.00	10.00	50.00	10.00	2.00	1.00	24.00	5.00	24.0000	0.55	2.0000	9.00	5.00	30.0000	9.00	30.0000	2.4001	Dark brown	Moist	Loose
22	Half circular	Brown	0.070	Coarse	100.00	10.00	50.00	10.00	2.00	1.00	17.00	7.00	20.7000	0.95	4.7000	9.00	4.00	30.0000	9.00	30.0000	2.7000	Dark brown	Wet	Loose
23	Half circular	Dark brown	0.065	Coarse	200.00	20.00	50.00	10.07	2.00	1.00	19.00	5.74	27.6052	1.21	5.9170	9.00	0.00	35.1000	9.00	41.0000	4.0000	Dark brown	Moist	Loose
24	Half circular	Brown	0.065	Coarse	177.00	17.70	50.00	10.00	2.00	1.00	10.00	7.15	45.1000	1.00	0.0000	9.00	3.00	31.0000	9.00	40.0000	4.0000	Dark brown	Moist	Loose
25	Half circular	Brown	0.070	Medium	140.00	14.00	50.00	10.00	2.00	1.00	10.00	4.74	21.0000	0.50	0.0000	9.00	5.00	34.5100	8.00	40.0000	3.2000	Brown	Dry	Loose

SAMIT SATIRU (4 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (mm)	Pod shell texture	Wt. of 10 pods (gm)	Avg. Wt. of pod (gm)	Pod Dimensions Length (mm)	Width (mm)	Thickness (mm)	Volume* (cm³)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt. of veins(gm)	% Wt. of veins	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Circular	Dark brown	0.[illegible]	Fine	214.60	21.46	45.07	14.21	3.02	1.73	37.50	0.47	20.0001	1.0400	3.5741	9.50	0.15	20.0500	0.70	15.0001	1.0341	Brown	Wet	Loose
2	Circular	Brown	1.[illegible]	Fine	188.17	18.82	[illegible]	17.15	4.15	[illegible]	36.17	0.00	24.7543	0.0000	0.7201	7.00	7.15	23.1510	10.23	53.7010	11.1509	Dark brown	Wet	Loose
3	Half circular	Brown	0.[illegible]	Coarse	210.00	21.00	47.55	13.15	5.95	1.02	37.50	0.59	20.0511	1.5500	5.5150	8.77	0.03	20.0050	0.71	15.0075	1.0119	Dark brown	Moist	Loose
4	Half circular	Dark brown	0.[illegible]	Fine	205.40	20.54	42.47	11.21	3.22	1.71	35.00	0.57	20.0005	1.5500	7.5133	8.50	7.59	37.0075	0.10	20.0025	1.1549	Brown	Moist	Loose

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

SINGURIK (1 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (mm)	Pod shell texture	Wt. of 10 pods (gm)	Avg. Wt. of pod (gm)	Pod Dimensions Length (mm)	Width (mm)	Thickness (mm)	Volume* (cm³)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt. of veins(gm)	% Wt. of veins	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Half circular	Brown	0.[illegible]	Coarse	374.10	37.41	77.21	10.71	3.05	1.85	14.40	7.0000	20.7421	1.7300	5.4940	9.40	8.07	23.4418	11.7000	43.0000	4.0007	Dark brown	Moist	Loose

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

SATIRU (3 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (mm)	Pod shell texture	Wt. of 10 pods (gm)	Avg. Wt. of pod (gm)	Pod Dimensions Length (mm)	Width (mm)	Thickness (mm)	Volume* (cm³)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt. of veins(gm)	% Wt. of veins	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Slightly curve	Brown	0.[illegible]	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.00	21.1055	1.0000	15.4900	0.00	0.00	35.0271	[illegible]	[illegible]	0.5076	Brown	Moist	Loose
2	Slightly curve	Brown	0.[illegible]	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.47	20.0000	0.0000	3.5778	7.00	0.00	30.0717	[illegible]	[illegible]	0.0000	Dark brown	Moist	Loose
3	Slightly curve	Dark brown	0.[illegible]	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.40	19.0710	4.1000	10.0000	9.00	19.03	27.0757	[illegible]	[illegible]	10.0000	Dark brown	Moist	Loose

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

PENUTUT (8 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (mm)	Pod shell texture	Wt. of 10 pods (gm)	Avg. Wt. of pod (gm)	Pod Dimensions Length (mm)	Width (mm)	Thickness (mm)	Volume* (cm³)	Character of pod: Wt. of shell(gm)	% Wt. of shell	Wt. of veins(gm)	% Wt. of veins	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt. (gm)	% Pulp Wt.	Real value of pulp	Pulp colour	Pulp texture	Tightness of pulp	Dark of specimen
1	Half circular	Dark brown	0.[illegible]	Slim	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.03	20.7981	1.0100	6.1400	3.50	4.71	27.0000	[illegible]	[illegible]	0.0714	Dark brown	Moist	Loose
2	Straight	Brown	0.[illegible]	Coarse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Dark brown	Moist	Loose
3	Half circular	Brown	0.[illegible]	Fine	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.00	20.0100	1.4700	9.1000	5.70	5.63	[illegible]	[illegible]	[illegible]	0.0100	Brown	Dry	Loose
4	Straight	Brown	0.[illegible]	Fine	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.73	23.1208	0.3900	0.5967	4.40	3.74	[illegible]	[illegible]	[illegible]	0.0000	Brown	Moist	Loose
5	Half circular	Light brown	0.[illegible]	Fine	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.57	27.7981	0.7700	4.6917	6.00	5.63	[illegible]	[illegible]	[illegible]	0.0498	Dark brown	Moist	Loose

Table 3 Detail data of 42 sweet tamarind specimens , 1987.

KOL. KHAI (4 specimen)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm.)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Straight	Dark brown	0.070	Coarse	93.20	9.32	107.30	8.12	2.00	1.66	9.00	2.6300	28.2027	0.7400	7.9339	6.20	3.76	40.3433	3.9600	42.4553	1.6826	Dark brown	Moist	Loose	
2	Straight	Dark brown	0.055	Fine	154.50	15.45	64.73	10.46	1.95	1.80	16.73	3.5500	22.9773	1.8400	8.0259	9.50	5.70	36.8932	5.7300	37.4119	2.1024	Dark brown	Wet	Loose	
3	Straight	Dark brown	0.075	Coarse	157.43	15.74	63.55	12.21	2.41	1.74	19.72	3.9400	25.0276	0.8400	5.3357	7.00	5.59	35.5078	4.6700	29.6640	1.3653	Dark brown	Moist	Loose	
4	Straight	Dark brown	0.070	Coarse	300.00	30.00	33.33	17.10	2.27	1.82	31.17	3.5800	12.2667	1.2600	4.6000	7.00	6.30	21.0000	6.8200	23.7333	1.5504	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

MUKHAK (4 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Straight	Brown	0.075	Fine	225.00	22.50	44.44	11.93	3.50	2.00	59.50	5.79	25.7333	1.14	5.0667	9.00	9.59	42.6222	9.68	43.0222	4.1344	Dark brown	Moist	Loose	
2	Half circular	Dark brown	0.106	Fine	212.20	21.22	47.11	11.50	3.64	2.54	71.00	4.24	19.9811	1.22	5.7453	10.00	7.69	36.2594	13.06	47.4081	4.7034	Dark brown	Moist	Loose	
3	Half circular	Brown	0.100	Fine	204.80	20.48	48.83	9.93	3.25	1.34	43.50	5.01	24.4629	1.06	5.1797	7.40	4.85	23.6816	6.62	43.0664	3.7445	Dark brown	Moist	Loose	
4	Half circular	Dark brown	0.085	Fine	201.50	20.15	49.63	11.54	3.12	1.39	45.99	4.71	23.3747	1.43	7.0945	11.20	7.62	37.8164	10.31	51.1663	5.5752	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
*Volume = Water replacement

ZAKASIM (3 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume** (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Straight	Brown	0.075	Coarse	165.15	16.52	60.52	7.21	3.07	1.49	31.11	3.33	20.0121	0.53	3.2848	4.50	3.41	19.8509	8.46	51.6181	3.5045	Dark brown	Moist	Loose	
2	Half circular	Brown	0.065	Coarse	142.50	14.25	70.17	13.25	3.20	1.57	37.29	3.37	23.6524	0.73	5.1298	5.00	2.71	19.0443	7.27	51.0457	4.3425	Dark brown	Moist	Loose	
3	Straight	Dark brown	0.070	Fine	154.70	15.47	64.63	9.31	2.52	1.47	40.45	3.26	21.0845	1.19	7.7023	6.00	5.10	33.0341	6.78	43.8374	2.9810	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100
**Volume = Length x Width x Thickness

UDUK (6 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pod/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm³)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen

SAMPLE ASSEM (25 specimens)

No.	Pod shape	Pod shell colour	Pod shell thickness (cm.)	Pod shell texture	Wt. of 10 pods (gm)	Ave. Wt of pod (gm)	No. of pods/kg.	Pod Dimension Length (cm)	Width (cm)	Thickness (cm)	Volume* (cm^3)	Character of pod Wt. of shell(gm)	% Wt. of shell	Wt of vein(gm)	% Wt. of vein	No. of seed	Wt. of seed(gm)	% Wt. of seed	Pulp Wt.(gm)	% Pulp Wt	Real value* of pulp	Pulp colour	Pulp texture	Tightness of pulp	Rank of specimen
1	Half circular	Brown	0.070	Medium	118.50	11.85	84.39	3.41	2.04	1.55	17.00	2.69	24.5882	0.69	5.7154	6.20	3.66	30.8961	5.00	42.1541	2.1097	Dark brown	Moist	Loose	
2	Half circular	Dark brown	0.070	Fine	153.25	15.37	65.11	15.53	2.15	2.11	22.63	5.14	31.4085	1.37	7.3538	10.75	6.46	39.4745	8.26	50.5955	4.1393	Dark brown	Moist	Loose	
3	Half circular	Brown	0.080	Fine	259.99	25.99	38.65	16.92	2.57	1.57	25.89	5.79	22.9561	0.86	3.4037	9.78	9.07	33.1853	9.62	38.1810	3.6769	Dark brown	Moist	Loose	
4	Half circular	Brown	0.055	Fine	34.33	3.43	106.01	5.63	1.13	1.30	3.50	2.67	28.3049	0.77	8.1893	6.33	3.52	37.3153	4.40	46.6449	2.0524	Dark brown	Moist	Loose	
5	Straight	Dark brown	0.060	Coarse	72.30	7.23	138.01	5.50	1.75	1.15	3.20	1.82	25.1725	0.47	6.5007	7.70	5.65	36.6526	2.49	41.3555	1.2365	Dark brown	Moist	Loose	
6	Half circular	Brown	0.050	Medium	236.56	23.66	43.41	15.11	2.73	1.84	15.74	3.92	13.9775	1.02	3.5380	8.44	7.56	37.0537	9.43	45.3347	4.1508	Dark brown	Moist	Loose	
7	Slightly curved	Light brown	0.055	Medium	167.11	16.71	59.84	16.91	2.67	1.63	17.11	3.20	19.1451	0.39	4.3606	6.00	5.91	35.3659	7.82	46.7955	3.6594	Dark brown	Moist	Loose	
8	Straight	Light brown	0.055	Medium	147.79	14.78	67.67	16.14	2.70	1.31	15.67	2.43	16.4434	0.62	4.1954	5.11	5.02	33.9594	6.67	45.4559	3.1937	Dark brown	Moist	Loose	
9	Half circular	Light brown	0.075	Medium	136.00	13.60	73.51	11.10	2.64	1.86	20.73	3.59	19.0653	1.11	5.8545	6.14	7.21	38.3962	8.17	43.3882	3.5448	Dark brown	Moist	Loose	
10	Half circular	Brown	0.055	Coarse	150.34	15.04	66.25	14.63	2.55	1.73	14.63	3.21	21.2667	0.37	5.7239	5.36	5.74	34.0533	6.05	46.0445	1.8301	Dark brown	Moist	Loose	
11	Half circular	Light brown	0.065	Fine	156.75	15.68	63.83	16.71	2.54	1.71	18.94	3.71	23.6701	1.01	6.3622	6.00	5.53	34.8146	6.97	43.3055	1.0602	Dark brown	Moist	Loose	
12	Half circular	Light brown	0.065	Fine	137.07	13.71	73.00	15.64	2.67	1.50	15.24	4.14	22.1308	2.05	12.0276	8.65	5.06	32.3941	7.21	38.5417	1.7799	Dark brown	Moist	Loose	
13	Half circular	Brown	0.065	Fine	148.20	14.82	79.02	16.33	2.15	1.53	12.40	3.65	26.4110	0.98	7.0912	4.90	4.76	34.4428	5.04	36.4669	1.8330	Dark brown	Moist	Loose	
14	Half circular	Light brown	0.065	Fine	153.00	15.30	62.77	14.50	2.50	1.56	15.15	3.29	24.4193	1.27	7.4724	7.60	5.36	37.4137	6.06	39.0414	2.4453	Dark brown	Moist	Loose	
15	Half circular	Brown	0.060	Fine	178.82	17.88	55.91	16.11	2.49	1.62	15.63	4.01	25.4206	2.16	13.0799	8.50	6.25	34.9533	6.89	38.5395	2.6549	Dark brown	Moist	Loose	
16	Half circular	Dark brown	0.060	Fine	193.20	19.32	46.38	14.42	2.44	1.69	15.93	2.53	24.4186	0.69	6.5461	5.20	3.96	38.3721	4.82	49.8315	1.7256	Dark brown	Moist	Loose	
17	Straight	Dark brown	0.055	Fine	184.25	18.43	54.26	16.15	2.45	1.70	19.11	2.74	26.6590	0.52	4.9673	6.22	3.74	35.9650	4.76	45.0403	2.1729	Dark brown	Moist	Loose	
18	Half circular	Dark brown	0.060	Coarse	170.75	17.08	58.59	13.75	2.45	1.53	18.14	4.35	24.0453	1.35	7.6479	10.00	5.71	37.5635	6.63	37.7315	2.5216	Dark brown	Moist	Loose	
19	Half circular	Dark brown	0.075	Coarse	123.75	12.38	80.81	9.70	2.62	1.77	15.31	3.63	29.3833	0.61	4.9295	5.17	4.33	34.9555	4.95	40.0000	1.9800	Dark brown	Moist	Loose	
20	Half circular	Dark brown	0.075	Fine	124.65	12.47	80.22	14.15	2.47	1.77	19.00	3.53	28.7194	0.42	3.5745	4.10	4.05	34.0355	4.96	39.3574	1.9737	Dark brown	Moist	Loose	
21	Half circular	Dark brown	0.060	Fine	155.11	15.51	64.47	[illegible]	2.46	1.70	[illegible]	4.34	27.9354	1.02	6.5760	7.44	5.20	36.1036	7.02	45.2562	2.1771	Dark brown	Moist	Loose	
22	Half circular	Brown	0.065	Fine	162.55	16.26	61.52	13.72	2.71	1.65	17.64	4.89	30.0831	0.94	5.8154	7.56	5.47	33.6512	6.91	42.5110	2.9374	Dark brown	Moist	Loose	
23	Half circular	Dark brown	0.065	Medium	159.45	15.95	62.72	9.55	2.67	2.00	14.70	3.48	24.8608	1.24	7.7787	8.00	5.81	37.2302	5.62	35.2414	1.9798	Dark brown	Moist	Loose	
24	Straight	Brown	0.060	Coarse	120.50	12.05	90.25	9.23	2.57	1.63	8.50	3.52	31.7690	0.72	6.4342	5.70	3.93	35.0491	4.23	38.1769	1.6143	Dark brown	Moist	Loose	
25	Half circular	Brown	0.055	Medium	107.32	10.73	93.22	11.54	2.52	1.67	10.50	3.23	23.5200	0.51	6.7261	6.11	3.74	32.6702	4.50	35.1174	1.5814	Dark brown	Moist	Loose	

*Real value of pulp = (% Pulp Wt. x Pulp Wt.) / 100

*Volume = Water replacement