

ビルマ畜産報

附属資料 3. 10マイル農場の現状

PRESENT STATUS  
OF  
10TH MILE PIG AND POULTRY FARM

20th June, 1985

## Present Status of 10th Mile Farms

(July 1985)

### 1. Introduction

Livestock Breeding Corporation 10th Mile Farm was one of the bilateral aid project from Japanese International Cooperation Agency in Burma. The project started in 1978 and terminated in March 1983. The following status of the farm is a continuation report of Dr. M. Hirose who was a team leader of the project during 1980 to 1983.

### 2. Pig Sector

During the project period, the imported breeds and number of the pig were four breeds and 185 heads. From the termination period of the project i.e. 1983 to 1985 March and there were four breeds and 12 numbers of pig left. But from 1983 to 1985 period, the total pig breed in the farm were 1021 heads per month. From these pigs, the total distribution of the breeding stocks were 3279 and pork was 2594 heads. The annual distribution of pigs was shown in table (1).

During this period 541 sows farrowed 4016 piglets. The farrowing rate was 2.05. The litter size was 8.0 (Table 2). The conception rate was average 90.16 percent (Table 3). The mortality rate is 22.69% (Table 4).

In 1984 August there was an outbreak of foot-and-mouth disease in pig and the mortality rate was increased in that period seasonal changes of mortality and concerning causes were shown in table (5). It was noted that the previous mission recommend the introduction of new breed to Burma because the original stock imported from JAPAN was suffering from the inbreeding effects. From the four imported breeds, the Duroc breed is mainly suffering from this effect. The remaining breeds were also face to inbreeding very closely. Therefore the farm needs to introduce new station of Berkshire, Landrace, Large white and Duroc breeds.

### 3. Poultry Sector

After termination of the project, the Norin breed of chicken was so popular in Burma market. The distribution of Norin breed was shown in Table (17). Also the semi-broiler (commercial cross) chicken was so popular which was one of the product of this project. The pure strain of

RIR and white Leghorn introduced from JAPAN was suffering inbreeding effect. Being the semi-broiler production is increasing in the poultry industry in Burma, the project provided the poultry breeding technology such as cage management, chick sexing, Norin breed, semibroiler breed, Artificial Insemination technique and utilization of premix in the food.

Day old chicks production of the farm during the project period was about 1,091,134 and after the termination of the project to end of JUNE 1985 was 1,263,488. The selection of pure line RIR (06) WL(11) and WL(74) was also carried out in the farm.

The continuation of vaccination and medication programme was carried out as the project period. But sometimes, medicines and vaccines were insufficient in the farm. Other farms from the Corporation were followed to take blood test on their chickens. Hence the transfer of technology was spread out so forth.

#### 4. Feed Sector

The feed analysis was done in the Nutrition Laboratory at the farm regularly. Being the quality of feed was sometime irregular, the normal routine analysis of feed was done. The analysis record was shown in Table ( ).

The formula feed production from the feed mill section was shown in table (18). Average feed production was 425 metric ton/year for the pig and 770 metric ton/year for the poultry. The premix production was also shown in the table (19). It was noted that the premix distribution was also increased year by year.

#### 5. Hatchery Section

The total capacity of the setter and hatcher in 10th Mile Farm were 8 setters and 4 hatchers which can handle 76,000 eggs in the setters and 27,000 eggs in the hatchers. Being some machines were frequently out of order suffering from electrical falseness, the electrical motors had to be repaired. The bodies of the hatchers and setters were also needed to be repaired. Therefore the farm needs extra one pair of setter and hatcher.

#### 6. Laboratories Section

There are two laboratories in the farm namely animal hygiene lab and nutrition lab. The shortage of chemicals sometime hindered the laboratory work. The equipments supplied by JICA were utilized in both laboratories and sometime it was very difficult to get some spare parts such as I.C for special electronic equipments.

#### 7. Machine and Farm Implement Section

The difficulties of getting spare parts for some farm implements delay the production of the farm. The fully utilization of farm tractors, farm bulldozer and farm implements was hindered from the effect of spare parts difficulties. The supply of farm equipment was only Japanese origin and it was very hard to get the spares from the local market. Therefore the provision of spare part is urgently needed for the farm.

#### 8. Conclusion

The transfer of technology for pig and poultry production is benefited for Burma livestock industry. During the project years and after termination of the project, the new techniques in pig and poultry husbandry and production was achieved. Although some difficulties were met in the project implementation period, the Japanese experts and Burmese counterparts took a great effort to achieve the objective of the project.

After project termination, Burmese counterparts also continued their great effort to achieve the objectives. But the present situation of the farm needs the follow-up implementation of some materials. Even some livestock should be introduced from Japan. However, we can say that the transfer of technology of pig and poultry development was successfully implemented in Burma by the aid of Japanese Government.

Table 1. Distribution of Breeding Stock &amp; Pork Pig

Year	Breeding Stock			Pork Pig			Total		
	♂	♀	T	♂	♀	T	♂	♀	T
1980 - 81	154	196	350	166	57	223	320	253	575
1981 - 82	243	444	687	214	63	277	457	507	964
1982 - 83	182	309	491	383	183	566	565	492	1057
1983 - 84	309	534	843	371	231	602	680	765	1445
1984 - 85	389	463	852	413	421	834	802	884	1686
1985 - 85 (June) April	21	35	56	67	25	92	88	60	148
	1298	1981	3279	1614	980	2594	2912	2961	5873

Table 2. Farrowing Results

Year	No. of Litter	No. of produced piglets	Average Litter Size			Mortality %
			at birth (include still birth)	at birth (alive)	at weaning	
1979/80	60	408	7.70	6.80	5.93	12.7
1980/81	133	978	7.96	7.35	6.29	14.4
1981/82	238	1791	8.11	7.53	5.87	22.0
1982/83	226	1708	8.67	7.56	5.64	25.37
1983/84	230	1753	8.31	7.31	5.55	28.59
1984/85*	311	2263	7.7	7.3	*4.7	*33.1
Total	1198	8901	8.08	7.31	5.66	22.69

(Note\* 1984 July to November F.D.M. Outbrake)

Table 3. Conception Rate (1984-85)

Breed	No. of A.I	No. of Preg.	Conception rate (%)
B	60	57	95
D	12	9	75
L	49	47	95.9
W	39	36	92.3
Cr:	68	63	92.6
Avg:	228	212	90.16

Table 4. Percentage of each breed of Piglet Lost (1982 Jan. to 1985 June)

Season	Farr: Piglet (alive)	Dead Piglet	Mortality (%)	Dead in Breed %				
				B	D	L	W	Cr:
Summer	2758	686	24.87	20.28	7.61	15.07	10.5	42.63
Rainy	1676	349	20.77	10.46	4.67	16.86	7.72	60.29
Winter	2001	337	16.84	13.96	11.27	18.05	13.64	43.06
	6435	1372	20.82	14.9	7.85	16.66	10.62	48.66

Table 5. Seasonal Changes of Mortality Concerning Causes (1982 Jan. to 1985 June)

Season	Farr: Piglet (alive)	Death piglet	Mortality (%)	Cause of Death				
				Mother press	Weakness	M.M.A	Diarrhoea	Other
Summer	2758	686	24.87	18.0%	36.29%	15.2%	13.08%	10.79%
Rainy	1676	349	20.76	24.29%	47.55%	9.29%	10.96%	7.91%
Winter	2001	337	16.84	22.51%	47.78%	9.50%	10.09%	9.79%
	6435	1372	20.82	21.6%	43.87%	11.33%	11.37%	9.49%

Table 6. of Houses &amp; Capacity

No.	Particular	No. of Houses	Capacity
1	Boar House	1	25
2	Dry Sow House	5	250
3	Farrowing House	2	44
4	Weaner House	1	200
5	Finisher House	2	300
6	Commercial Breeder House	1	150
		12	969

Table 7. Growth Rate of Finisher in 1983-84

Breed	No. of pig	Shipping		Daily gain (g)
		Body weight (kg)	Age (day)	
BL	15	75 ± 11.8	239.6 ± 47.73	313.5
LD	4	83.25 ± 4.71	254.6 ± 22	327
LB	14	81.86 ± 5.17	254.58 ± 27.51	321.5
WL & LW	26	86.1 ± 7.85	266.3 ± 38.39	322
BLD	6	82.8 ± 9.47	279.7 ± 51.77	296
BLB	10	65 ± 10.71	225.7 ± 133.3	287.9
BLW	19	75.32 ± 14.1	242 ± 57.76	311.2
BLL	18	66.61 ± 12	231.67 ± 24.74	287.5
DLB	17	69.70 ± 13.86	246 ± 62.86	290.4
LDB	4	64.75 ± 7.9	193 ± 13.83	335

Table 8. Growth Rate of Finisher in 1984-85

Breed	No. of pig	Shipping		Daily gain kg
		Body wt. kg	Age day	
BL	10	83.6 ± 17.26	249.1 ± 88.89	0.33
LB	6	107.33 ± 34.47	272.67 ± 59.50	0.39
LW, WL	16	97.69 ± 16.32	248.00 ± 29.34	0.39
LD	5	120.0 ± 18.91	272.00 ± 23.50	0.44
BW	4	105.75 ± 37.76	241.25 ± 76.62	0.43
BLD	3	84.67 ± 15.5	258 ± 76.53	0.33
LBB	2	111.5 ± 30.4	301 ± 15.56	0.37
DLB	8	92.25 ± 13.71	273.25 ± 23.93	0.34
BLW	2	85.5 ± 0.71	251 ± 0	0.34
BLDW	9	93.44 ± 12.54	255.33 ± 31.30	0.36
DLBW	3	87.66 ± 10.69	224.33 ± 27.54	0.39
	68	96.43 ± 21.04	256.75 ± 39.45	0.38

Table 9. Changes of Pig Population  
(At the end of the month)

Item	1979		1980		1981		1982		1983		1984		1985	
	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun
<u>BOAR</u>														
Berkshire	3	3	3	4	6	7	7	10	11	6	7	6	9	10
Duroc	3	3	3	2	7	7	6	6	6	6	5	4	5	4
Landrace	5	4	4	8	10	16	11	11	11	6	7	9	11	10
Large White	-	-	-	-	-	3	3	4	6	5	9	6	7	7
	11	10	10	14	23	33	27	31	34	23	28	25	32	31
<u>SOW</u>														
Berkshire	13	12	12	12	14	27	34	32	31	3	33	50	38	43
Duroc	17	17	14	10	9	16	12	16	7	3	7	10	11	15
Landrace	24	23	19	19	25	42	44	32	36	35	32	34	39	41
Large White	-	-	-	-	-	10	15	15	19	22	21	25	21	27
Cross breed	-	-	-	4	33	37	41	37	29	33	30	43	53	25
	54	52	45	45	81	132	146	132	122	124	123	162	162	151
0-10 months old		15	291	379	641	689	820	902	918	1018	939	791	703	741
Cross Total	65	77	346	438	745	854	993	1065	1074	1165	1090	978	897	923



Table 10. 1983-84 Piglet Growth Rate

No.	Breed	Pig Number	30 days	35 days	60 days	90 days	Remark F/C
1	B	152	6.25 kg	7.08 kg	10.09 kg	15.62 kg	3.14
2	D	42	5.146	7.66	10.11	18.51	2.9
3	L	142	6.7	7.46	9.57	15.76	3.1
4	W	97	5.5	6.58	9.85	15.0	3.48
5	Cross	296	5.93	6.82	9.5	15.445	3.2
	Total	1025	5.905	7.12	9.824	16.067	3.16

Table 11. The Percentage of each parts in Carcass.  
(Processing Plant)

1. Carcass	71.98%
2. Head	4.21
3. Internal Organ	7.83
4. Feces	4.14
5. Abdominal-fat	1.64
6. Hair, Blood, Urine and other losses	10.20
	100.00%

Table 12. Percentage of body weight at weaning time.

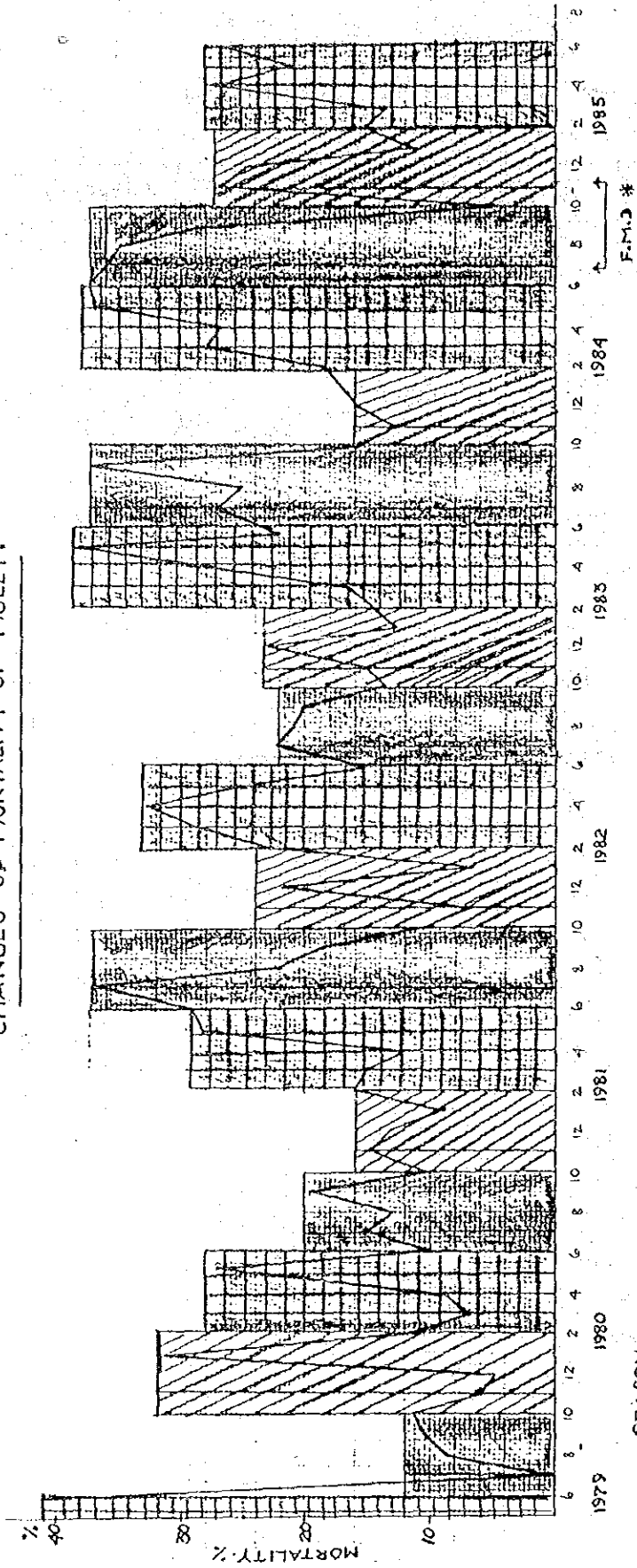
(Calculation is based on the body wt of  
before one week of farrowing 100 kg)

Breed	No.	X ± SD
Landrace		
1st para	5	64.42 ± 9.65
2nd para and above	21	78.08 ± 8.06
Berkshire		
1st para	5	77.39 ± 6.54
2nd para and above	22	77.56 ± 9.0
Large White		
1st para	6	71.96 ± 4.76
2nd para and above	6	81.12 ± 4.70
Cross		
1st para	9	69.58 ± 10.96
2nd para and above	8	80.31 ± 14.71

Table 12. Effects of the Hormone, Boar Contact and Green Feed on the Interval from Weaning to First Recurrence of Estrus (1982 July - Oct.) & (1983 - 84)

Treatment	No. of Sow	0 - 10 days %	11 - 20 days (Accumulation) %	21 - 30 days (Accumulation) %
(1982 July - Oct)				
(A) Control	37	48.6	62.1	64.8
(B) Green Feed	10	50.0	50.0	70.0
(C) Green Feed & Boar Contact	11	54.5	72.7	81.8
(D) Green Feed & Boar Contact & Hormone (P.M.S.)	18	83.3	83.3	83.3
(1983 - 84)				
Green Feed, Boar Contact and Hormone (P.M.S.)	193	56.99	63.73	83.42

CHANGES OF MORTALITY OF PIGLET.



SEASON.  
 RAINY. WINTER. SUMMER.

Table 13. Number of Houses and Their Capacity (Poultry)

House No.	Type	No.	Bird No.	Per 100 (day)	Capacity (bird day)
Brooder	Battery	3			
	Floor				
Grower	Cage	5	3000	120	54
	Floor	4	6000		
Laying	Cage	12	6200	420	22
House	Floor	6	3000		

Table . Brooding Number in 10th Mile Farm  
(From March 1983 to June 1985)

Breed	Strain	Male	Female	Mixsex	Total
WL	11	-	-	2039	2039
WL	74	-	-	1586	1586
RIR	06	345	4838	3709	8892
WC	(G) (71)	-	-	1509	1509
WPR	S (41)	-	-	1096	1096
WPR	S (21)	-	-	3651	3651
Crossbred	11 x 06	1230	14522	509	16361
"	S.B	1000	-	1432	2432
"	P.B	2345	2393	2117	6855
"	Shaver	218	2343	149	2712
"	SUVY	817	4985	-	5802
"	NERA-SEX LINK	632	8132	-	8764
"	BLACK BEAUTY	-	517	1894	2411
"	Others	-	-	31	31
Total		6587	37732	19722	64041

Table 14. Introduced day-old chicks number (Up to 30th June 1985)

Arrival date	Breed	Strain	Bird No.	
			Male	Female
30th Nov. 1978	WL	62	207	-
"	WL	11	-	196
"	Cross bred	11 x 06	-	1013
21st Dec. 1978	RIR	06	248	1066
"	WC	G	82	-
27th July 1979	Cross bred	G x H	96	104
29th Nov. 1979	WL	62	187	-
"	WL	11	322	-
"	RIR	06	206	-
"	Cross bred	11 x 06	-	513
31st Jan. 1980	WC	G	102	-
"	WPR	H	-	509
26th June 1980	WC	G	313	-
13th Nov. 1980	WL	1	313	-
2nd July 1981	WL	11	210	418
"	RIR	06	210	421
2nd April 1982	WC	G	200	200
"	WPR	S	100	220
"	WPR	S	175	300
22nd April 1982	WC	G	200	200
"	WPR	S	75	330
"	WPR	S	-	250
26th May 1983	WL (mix)	74	-	338
"	PIR(mix)	06	-	511
"	WC (mix)	G	-	470
			3246	7059

Table . Population of Adult Female in 10th Mile Farm  
(Up to 30th June 1985)

Breed Year	WL 11	RIR 06	Norin 11x06	S.B	P.B	Total	Plan
1979 - 80	-	-	-	-	-	2367	-
1980 - 81	-	-	-	-	-	4741	-
1981 - 82	168	3295	2904	217	83	6667	7192
1982 - 83	507	2772	4149	-	620 (77)	8125	7032
1983 - 84	508	2355	3660	-	1175 (854)	8552	
1984 - 85	760	1494	2130	-	311 (1182)	5877	8680
1985 - 86 (up to June)	437	1123	1676	-	137 (2978)	6351	

Table 15. Yearly Produced Egg Number (Up to 30th June 1985)

Year	Actual	Plan
1979 - 1980	492260	
1980 - 1981	1047043	
1981 - 1982	1546804	1828292
1982 - 1983	1466460	1868324
1983 - 1984	1401865	
1984 - 1985	1127141	
1985 - 1986	243923	
Total	7325496	

Table 16. Performance Record of Poultry

Strain	Sexual Maturity (day)	Egg Wt. (gr)	Body Wt. (10 gr)	Egg Prod.	Remark
WL (74)	183±15	54.6±4.3	149.6±15.6	71±14	1984
WL (11)	166± 7	51 ±3.6	141 ± 2.5	72±13	1984
PIR (06)	205±15	54 ±3.6	171 ±25.2	70±13	1984
PIR (06)	186±10	48 +4	162 +25	70±12	
WG	225±16	56.7±4	337 +36	71.2±20.6	
WPR (F)	224±14	56.3±3.5	329 ±33	74.4±19	
WPR (M)	225±13	56.4±4.2	357 ±29	68.4±12.5	



Table 17. Yearly Produced Day-old Chick Number (up to 30th June 1985)

Breed	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	Total
Semi-Broiler	10639	20370	188589	319144	405779	189290	11060	1144871
Pure-Broiler (meat type)	-	22952	5229	1770	5648	-	1413	37012
Commercial Broiler (meat type)	-	-	-	-	42885	61943	-	104828
Norin	80566	78090	74521	81433	158953	91967	23907	589437
W.L	-	-	-	14887	1367	4083	143	20480
RIR	44329	53281	36867	58470	18792	8807	330	220876
Sunny (Israel origin)	-	-	-	-	85900	62868	-	148768
Others	-	-	-	-	2157	52878	33705	88740
	135531	174693	305206	475704	721481	471836	70558	2355012

Table 18. Product of Formula Feed (Up to June 1985)

(tons)

Year	Pig	Poultry	Total
1978-79	7.90	10.84	18.75
1979-80	106.64	121.52	228.16
1980-81	288.66	250.63	539.29
1981-82	368.11	383.49	751.60
1982-83	509.55	704.53	1214.08
1983-84	463.31	816.62	1279.93
1984-85	305.58	789.57	1095.15

Table 19. Produced amount of LDMC-JICA Premix

(kg)

Year	Starter	Grower	Layer	Total
1980-81	1885	664	5719	7268
1981-82	2942	995	5142	9079
1982-83	781	374	387	1542
1983-84	4143	581	16710	21434
1984-85	5144	1070	22644	28858

## Blood Examination in Poultry

Period was separated as follows:

- (1) Mar. '83 - Mar. '84
- (2) Apr. '84 - Jun. '84
- (3) July '84 - Dec. '84
- (4) Jan. '85 - Jun. '85

### (A) Salmonella Pullorum

No.	Tested No.	+vc	+vc rate
1	15512	84	0.54%
2	1386	160	11.54%
3	3686	228	6.18%
4	3009	8055	13.5%

### (B) Mycoplasma Gallisepticum

No.	Tested No.	+vc	+vc rate
1	14608	1979	13.55%
2	556	468	84.17%
3	553	237	42.85%
4	606	195	32.17%

(C) Mycoplasma Synoviae

No.	Tested No.	+vc	+vc rate
1	4293	179	4.2%
2	479	63	13.15%
3	272	44	16.17%

New Castle Disease H.A.H.I. Titration

	<u>Samples</u>	<u>Satisfactory titra</u>	<u>Ravaccination</u>
Aug. '83	152		
Oct. '83	38		
Jan. '84	49		
Mar. '84	8		
Feb. '85	10		
May '85	20		

Blood Examination in Pig

(A) Brucellosis

(a) By Brucella Abortion and B. Sris Antigen

Date	tested no.	PAT		SAT	
		+vc ( 30 IU)	suspect (15IU-30IU)	+vc	Suspect
Mar. '83	244	11	8	15	4
Feb. '84	20	5		2	

(b) By B. Abortion Antigen (PAT and SAT test)

Date	Tested No.	+vc >36 IU	-vc <36 IU	+vc rate
Sept. '83	252	9	242	3.57%

RAT = Plate Agglutination Test

SAT = Standard Tube Agglutination Test

(B) Toxoplasmosis Test

(a) By Latax and SES Testing date = Sept. '83

	Latax	SES	No. of samples	%
Positive	64	256	711	44.4%
Doubtful	32	647	49	19.6%
Negative	32	64	90	
Total tested no.			250	

(b) By Screening test and standard

Testing date = Feb. '84

Total tested no. = 20

Standard positive titre = 1:256

Screening test positive no. = 4

Standard test positive no. = 4

\* Screening test positive no. were confirmed by standard test.

Parasitological Examination

(A) Poultry

Period	Sample	+vc no.	+vc rate
Mar. '83 - Mar. '84	308	127	41.2%
May '84 - Jun. '85	192	42	21%

(Main parasite - Coccidiosis and Ascariasis)

(B) Pig

	Samples	+vc no.	+vc rate
Mar. '83	105	20	19%
Jun. '84	20	16	80%

Main Parasite

(OESOPHAGOSTONUM, COCCIDIOSIS, ASCARIASIS)

Post-Mortem Examination of Poultry

Period	Deed No.		
	Starter	Grower	Adult
March 1983 - March 1984	6907	4655	5334
April 1984 - July 1984	4360	3263	2273
August 1984 - June 1985	3009	8055	8809

Cause

Starter	(1) Weakness	(2) Rat bite	(3) Omphalitis
Grower	(1) Cannibalism	(2) Coecidiocin	(3) C.R.D.
Adult	(1) Egg: Peritonitis	(2) Lymphoid	(3) A.P.

BLOOD EXAMINATION IN OTHER FARMS

(a) *Salmonella Pullorum*

Date	Farm	10% Serum test			Rapid test		
		Sample no.	tvc	tvc rate	Sample no.	tvc	tvc rate
Nov. '83 Apr. '85	Danyingone Poultry farm	1719	48		12188	261	2.14%
Jan. '84	Pyinmabin breeding farm	253	54	21.34%			

(b) *Mycoplasma Gallisepticum*

Date	Farm	10% Serum test		
		Sample No.	tvc	tvc %
Jan. '84	Pyinmabin Breeding Farm	253	230	90.91%
Feb. '84	Danyingone Poultry Farm	602	393	65.28%
Mar. '85 Apr. '85	Aungmyaeyar Farm	640	188	29.37%

NEW CASTLE DISEASE H.A.H.I. TITRATION

Date	Farm	No. of Chick	Remark
November 1983	Danyingone farm	6300	Revaccination
January 1984	Pyinmabin farm	1851	Good titre
February 1984	Danyingone farm	750	Revaccination
March 1985	Danyingone farm	295	Good titre

PARASITOLOGICAL EXAMINATION

Date	Farm	No. of sample	tvc	tvc rate
December 1983	Danyingone farm	23	15	65.21%

\* - Main Parasite *Eimeria* Spp.

POULTRY SECTOR: - 10TH MILE FARM

No.	Feed Sample	Moist %	C.P %	Fat %	Fibre %	Ash %	Salt %	Sand %	Ca %	P %
1.	Layer Starter									
	(17-1-84)	7.97	18.57	-	-	6.24	1.08	-	0.88	-
	(2-2-84)	10.22	18.99	-	-	7.93	1.17	-	1.03	-
	(11-2-85)	10.72	16.22	3.29	-	5.85	0.81	-	0.97	-
	(14-2-85)	8.44	18.82	-	-	10.92	3.48	-	0.59	-
2.	Grower Feed(A)									
	(31-1-84)	10.91	17.34	3.96	-	5.45	1.27	-	0.65	-
	(2-8-84)	11.63	13.44	-	-	3.19	0.48	-	0.29	-
3.	Grower Feed(B)									
	(17-2-84)	-	16.16	4.68	-	5.27	-	-	0.70	-
	(3-8-84)	11.33	16.68	-	-	5.27	0.99	-	0.51	-
	(14-2-85)	8.33	19.22	-	-	7.68	0.83	-	0.14	-
	(13-3-85)	8.99	15.07	-	-	-	1.69	-	-	-
4.	Layer Ration									
	(26-12-83)	9.99	15.55	3.37	-	4.96	1.45	-	0.62	-
	(2-2-84)	8.94	16.00	-	-	8.50	0.99	-	0.79	-
	(3-2-84)	9.62	20.74	3.54	-	8.24	1.25	-	2.87	-
	(14-2-85)	9.81	16.56	-	-	9.84	1.24	-	0.11	-
	(4-6-85)	13.20	11.75	-	-	8.12	0.58	2.58	2.15	0.19
5.	Broiler Starter									
	(17-1-84)	10.49	17.85	-	-	5.00	0.68	-	0.62	-
	(20-3-84)	-	21.30	-	-	11.57	1.41	-	1.17	-
6.	Broiler Finisher									
	(31-1-84)	10.38	18.51	4.30	-	6.34	1.67	-	4.32	-
	(2-2-84)	9.60	20.77	-	-	7.28	0.84	-	1.05	-
	(6-2-84)									
	c Meat-bone meal	10.03	21.92	5.05	-	6.28	0.65	-	0.72	-
	(6-2-84) with Fish meal	8.19	20.65	5.19	-	7.44	2.03	-	0.79	-
7.	Guinea Fowl									
	(17-1-84)	7.76	21.74	4.20	-	8.91	1.24	-	1.52	-
	(17-2-84)	-	16.16	4.86	-	5.27	-	-	0.70	-
	(14-2-84)	9.96	17.83	-	-	8.29	1.54	-	1.71	-
	(14-6-85)	11.38	22.87	3.91	-	7.46	1.50	1.96	1.45	-



PIG SECTOR

10TH MILE FARM

No.	Feed sample	Moist	C.P	Fat	Fibre	Ash	Sand	Ca	P	Salt	Remark
1	Starter pig										
	(26-12-83)	8.34	19.02	3.85	-	-	-	0.59	-	1.57	
	(31-1-84)	10.46	17.57	-	-	5.56	-	1.27	-	1.49	
2.	Grower Pig										
	(26-10-85)	-	16.93	-	-	-	-	-	-	-	-
	(24-11-83)	9.77	13.81	4.08	-	4.47	-	-	-	-	-
	(14-12-83)	11.03	14.22	-	-	5.21	-	-	-	-	Contrd
	(14-12-83)	8.81	17.32	-	-	7.34	-	-	-	-	c Acacia
	(17-1-84)	8.68	18.31	-	-	6.08	-	1.13	-	0.86	c Neat bone meal
	(5-2-84)	10.67	18.33	-	-	5.46	-	0.85	-	0.76	
	(17-2-84)	-	16.82	5.55	-	7.06	-	0.71	-	-	
	(14-2-85)	9.93	17.71	-	-	7.11	-	0.74	-	1.91	
3	Finisher Pig										
	(26-12-83)	8.87	15.05	4.05	-	-	-	0.66	-	1.25	
	(17-1-84)	8.80	17.12	-	-	4.76	-	0.73	-	1.05	
	(3-8-84)	12.05	14.91	-	-	4.50	-	1.07	-	0.35	
	(6-3-85)	7.79	20.52	7.26	4.88	6.51	1.93	0.54	-	1.41	
	(6-3-85)	8.56	12.91	6.71	4.73	5.72	1.35	0.51	-	1.21	
4	Adult Pig										
	(26-12-83)	11.17	14.36	4.84	-	-	-	0.57	-	1.45	
	(17-1-84)	7.55	17.25	-	-	4.75	-	0.68	-	0.62	
	(31-1-84)	11.04	13.40	3.34	-	4.55	-	0.66	-	0.78	

Raw Material Analysis  
10th Mile Farm

No.	Feed sample	Mois %	C.P %	Fat %	Fibre %	Ash %	Salt %	Sand %	Ca %	P %
1.	Fish Meal									
	(27-12-83)	16.48	56.28	2.39	-	25.35	7.12	-	4.31	-
	(26-12-83)	12.26	60.59	3.47	-	23.98	14.66	0.64	3.39	-
	(17-1-84)	10.73	50.22	4.89	-	25.53	4.78	6.53	5.97	-
	(3-8-84)	24.15	43.50	2.71	-	33.62	16.80	3.81	5.17	
	(21-3-85)	6.74	21.66	12.62	-	13.78	6.39	2.09	0.87	0.12
	(25-6-85)	11.06	57.23	-	-	-	3.65	-	-	2.31
2.	Acacia									
	(3-10-83)	18.42	17.80	-	-	-	-	-	-	-
	(19-12-83)	5.99	21.78	5.79	-	9.91	-	-	-	-
3.	Groundnut Cake									
	(29-10-83)	-	35.75	-	-	-	-	-	-	-
	(26-12-83)	7.25	35.86	6.48	-	-	-	-	-	-
	(15-6-84)	12.02	43.05	4.52	-	5.56	-	-	-	-
	(3-8-84)	9.43	35.00	4.42	-	11.54	-	-	2.38	-
	(7-1-85)	7.53	37.12	6.48	9.87	7.51	0.29	-	0.05	-
	(25-3-85)	6.82	44.62	6.62	13.96	6.61	0.50	1.97	0.18	-
4.	Sesame Cake									
	(27-10-85)	-	28.14	-	-	-	-	-	-	-
	(26-12-83)	7.79	42.38	6.27	-	-	-	-	-	-
	(2-2-84)	4.84	43.36	6.07	-	15.14	-	3.70	-	-
	(3-3-84)	10.12	41.86	5.34	-	8.77	-	-	0.25	-
	(25-3-85)	5.60	35.32	9.34	15.72	9.29	0.72	1.88	0.37	
	(25-6-85)	8.89	40.28	-	-	-	-	-	-	0.67
5.	Fad Coconut meal									
	(9-12-83)	13.28	18.78	9.64	9.01					
	(6-3-85)	4.65	22.43	8.95	8.36	6.94	1.45	0.93	0.23	
6.	Maize									
	(26-12-83)	12.75	9.16	3.86						
	(20-3-84)	-	12.43	-	-	1.73	-	-		
	(17-1-84)	12.99	8.01	3.03	-	1.25				
	(3-8-84)	12.44	8.27	4.25	-	1.29	-	-	0.10	
	(13-3-85)	10.66	8.89							
	(25-6-85)	11.07	11.45							

7.	Broken Rice									
	(26-12-83)	11.75	8.50	0.68	-	0.89				
	(2-2-84)	10.51	8.02	1.75	-	1.28				
	(3-8-84)	6.95	8.87	0.34	-	2.84				
	(18-3-85)	10.47	8.71	3.58	2.08	1.96	0.17	0.80	0.16	
	(13-3-85)	11.39	6.57							
8.	Rice Bran									
	(26-12-83)	10.25	10.41	8.16						
	(7-1-85)	7.24	10.75	12.30	9.85	11.83	0.51	-	0.04	
	(25-6-85)	9.45	14.22							
9.	Meat bone meal									
	(26-12-83)	9.70	88.22	7.37	-	4.61	1.25	-	0.71	
10.	Oyster Shell									
	(11-2-85)	0.31	-	-	-	38.55	-	0.53	32.38	
	(26-12-83)	0.99	-	-	-	95.92	-	-	27.78	
11.	Coheat Flour									
	(2-2-84)	9.08	16.32	9.82	-	3.59	-	-	-	-
12.	Prawn Dust									
	(22-2-85)	13.13	42.17	3.35	-	28.78	6.71	7.36	4.68	1.26
13.	Death in Shell									
	(23-11-84)	71.35	10.19	8.21	-	7.89	0.21	-	2.58	
14.	Death eggs									
	(28-11-84)	67.73	10.41	8.73	-	5.32	0.34	-	1.64	
15.	Bacon									
	(24-9-84)	38.83	10.56	54.51	-	1.40	1.15	-	0.03	
16.	Poland Sausage									
	(24-9-84)	57.11	24.68	13.75	-	3.56	2.41	-	0.04	
17.	Sausage (local)									
	(24-9-84)	34.73	24.49	21.14	-	2.92	2.64	-	0.13	

**REQUIREMENT OF VACCINE MEDICINE AND ANTIGEN**

Sr. no.	Specification	Required Quantity	
		dose A/U	Quantity
	<b>(A) POULTRY</b>		
a.	<u>Vaccine</u>		
1	Nareks ' vaccine injection	1,000 dose	20
2	Coryze "	500 dose	50
3	Pox "	500 dose (1 vial)	50
b.	<u>Medicine</u>		
1	Neomekizole	12 lit.	50
2	Egg Clean power	10 kg	50
3	Sulpha 10% powder	100 g	1000
4	Sulpha 10% powder	1 kg	100
5	Tylocine powder	10 kg	1000
6	Zoalene	25 kg	30
7	Furazolidone	20 kg	100
8	Varginiamycin (Stafac-10)	20 kg	50
9	Pine tar	500 ml	100
10	Pacoma	25 lit.	50
c.	<u>Antigen</u>		
1	Salmonella Pullorum	100 dose	100
2	Mycoplaura Gallisepticum	100 dose	100
3	Mycoplasma Synovire	50 dose	200
4	N.C.D.H.A.H.I Antigen	2 ml	100
	<b>(B) PIG</b>		
a.	<u>Vaccine</u>		
1	Japanese Encephalitis	10 dose	70
2	Swine Erysapelm	20 dose	100
b.	<u>Medicine</u>		
1	Gynadol Injection	10 ml	50
2	Peamex Injection	5 ml	100
3	Puperogen Injection	5 ml	100
4	Holin Injection	10 ml	100
5	Polyzanon (Semen Diluter)	12.84 g	1000
6	Stresnil Injection	20 ml	200
7	Aminothiovitin	5 ml	500
8	Ripercol powder	20 g	100
9	Vitamine E Juvela-Food	1 kg	100
10	Tincture Iodine	500 ml	50
c.	<u>Antigen</u>		
1	Brucella Abortus Antigen (Rapid Plate test)	20 ml	50
2	Brucella Suis (R.P.T)	20 ml	50
3	Brucella Abortus Antigen (T.A.T)	20 ml	50
4	Brucella Suis Antigen (T.A.T)	20 ml	50
5	Toxoplasmosis latak Agglutination Antigen	50 test	20











JICA