

# CONDITIONS OF FEEDING

## Part 1

The first part of this report describes the continuation and conclusion of the experiment reported under this heading in the progress report of 4-1-49.

As will be recalled from this earlier report, two groups of chickens, 10\* in the control group and 11\* in the experimental group, housed in adjacent pens which were illuminated with 40 watt light bulbs and provided with thermostatically controlled hovers, were fed on different schedules: the control group was fed ad lib. according to the method described in the Larro Broiler Book. The experimental group was fed by a special mechanical feeder, described in the previous report, which delivered every 2 1/4 minutes small quantities of pellets in such a fashion as to encourage the chickens' competitive behavior toward the feed.

Table I gives the daily intake of feed in grams for the experimental birds, the amount of mash supplied the control birds (in pounds), and the totals for each group in pounds, pounds per bird, and pounds per bird per day.

Table I Feed Intake Group		
Date	Experimental (in grams)	Control (in pounds)
3-27	500	7.00
28	1375	
29	1375	
30	1125	8.00
31	1125	
4- 1	1500	10.50
2	1000	
3	1000	
4	1250	
5	1250	
6	1000 x	
7	1000	
8	1000	10.00
9	1250	
10	1187	
11	1250	
12	1250	11.00
13	1687	
14	1625	
15	1500 x	
16	1250 x	10.00
17	1125	
18	1375	
	27999 gms.	56.50 lbs.
		Less 1.75 lbs. left in trough
		54.75 lbs. consumed
Pounds per bird	5.61	5.48
Pounds per bird per day	.244	.238

\*Numbers remaining in the groups after the death and illness previously reported.