

spluable food coloring.* The spaghetti sticks were placed in a pan of dye water until a desirable saturation of color was obtained (usually 2 to 3 minutes). Then they were removed and air-dried, after which they were broken to suitable length. After developing a shearing machine for the breaking operation which did not work too satisfactorily, it was discovered that an ordinary food chopper did an excellent job if the spaghetti was thoroughly dry and brittle.

The first experimental batch of colored spaghetti was presented to the chicks seven hours after completion of Experiment 1. The manner of presentation was the same as that described in Experiment 1. The results are given below:

<u>Feed</u>	<u>Amount In</u>	<u>Amount Left</u>	<u>Amount Eaten</u>
Yellow spaghetti pellet	68 grams	49 grams	19 grams
Red spaghetti pellet	43 g "	42 "	1 "
Green spaghetti pellet	29 "	29 "	0 "
Broiler pellets (chick)	50 "	48 "	2 "

Thus the chickens appear to show a distinct preference for the yellow spaghetti.

Experiment 3

Age of chickens: 34 days.

This is essentially a replication of Experiment 2 with the exception that the amount of each feed presented was the same (50 grams) for all feeds except the yellow spaghetti. Since it was anticipated that the chickens might eat more than 50 grams of this, 75 grams were given.

The chickens had had no food during the night preceding the experiment. At 9:00 A.M., they were given 150 grams of mash. The experiment was started at 2:30 P.M. The chickens were thus on a moderate drive. The results are as follows:

<u>Feed</u>	<u>Amount In</u>	<u>Amount Left</u>	<u>Amount Eaten</u>
Yellow spaghetti pellet	75 grams	25 grams	50 grams
Green spaghetti pellet	50 "	49 "	1 "
Red spaghetti pellet	50 "	46 "	4 "
Broiler pellets (chick)	50 "	46 "	4 "

Again a clear preference was shown for the yellow spaghetti.

Experiment 4

Age of chickens: 35 days.

This is a duplication of Experiment 3 except that the chickens, having been without feed overnight, were fed 100 grams

* Samples of this feed are being forwarded.