

*Director's
Digest*



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ADDED YELLOW GREASE AND PALATABILITY OF DOG FOOD

Dog Palatability Experiment Study

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OBJECT: To determine the effect of adding 5, 10, and 15 percent yellow grease to a commercial dry diet on the acceptability by Pointers.

METHOD: Yellow grease obtained from Dr. Fred Bisplinghoff was added to the outside a commercial dog food, already containing 6.5% ether extract, at levels of 0, 5, 10 or 15% added fat. Rations were fed moistened with 50% added water, 50 grams of added water to each 100 grams of dry diet. Adult Pointers housed outside on slatted floors were used in this comparison. Water was available ad libitum. Diet positions reversed daily.

DIETS AND CONSUMPTION: Ten dogs per comparison.

Animal Fat Added	0	5	10	15
Commercial Dog Food	100	95	90	85

Week 1 (11/5 - 11/19/76)				
kg intake*	2.393	37.425	-----	----
Week 2 (11/22 - 11/26/76)	0	10	-----	----
kg intake*	-----	9.347	29.161	----
Dogs Preferring	-----	0	10	----
Week 3 (11/29 - 12/3/76)	-----	-----	9.427	31.764
kg intake*				

SUMMARY: The addition of choice yellow grease to the outside of a commercial dog food increased acceptability of the food for dogs offered two diets simultaneously.

The addition of five percent choice yellow grease improved acceptability significantly with dogs consuming a ratio of 15.77 to 1 of the added grease diet. (Significance $P < .05$)

Ten percent added choice yellow grease was more acceptable than five percent added grease with a consumption ratio of 3.12 to 1. ($P < .05$)

Fifteen percent added choice white grease was more acceptable than 10 percent added with a consumption ratio of 3.37 to 1. ($P < .05$)

* Air dry basis