



Figure 8. Feed Per Pound Gain, Experiment 139.

effect was not observed with the animals fed rations containing potato pulp.

The total digestible nutrient content of potato pulp was calculated to be 72.6 per cent when using barley at 75 per cent T.D.N. as the standard. On this basis, potato pulp would be worth 97 per cent of barley, when used as an energy source not exceeding 30 per cent of the ration.

These experiments would indicate that either potato pulp or wheat bran can replace up to one-fourth of the grain equivalent of a well balanced pelleted swine ration without seriously affecting performance. However, neither potato pulp or wheat bran was effective in improving carcass quality.

LITERATURE CITED

- DEYOE, C. W., D. H. WAGGLE and E. P. FARRELL. 1967. Analysis of wheats and milling products and their nutritional values. *Feedstuffs* 39 (17):26.
- Feed Bag Red Book. 1968. Eldon H. Roesler, Publisher. Editorial Service Co., Inc., Milwaukee, Wisconsin.
- MORRISON, F. B. 1959. *Feeds and Feeding*. (22nd Edition). Morrison Publishing Company, Ithaca, New York.
- NATIONAL RESEARCH COUNCIL. 1964. Nutrient requirements of swine. National Acad. Sci. Washington, D. C.

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