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concentration in TCP. The apparent (AID) and the standardized (SID) ileal digestibility of CP and AA were measured in Exp. 1. Nine pigs (initial BW: 13.4 ± 2.5 kg) were equipped with a T-cannula in the distal ileum and allotted to a triplicated 3×3 Latin square design with 3 diets and 3 periods in each square. One diet contained 20% TCP as the sole source of AA and a second diet contained 25% fish meal (FM) as the sole source of AA. The last diet was a N-free diet that was used to measure basal endogenous losses of AA and CP. Results indicated that the AID and SID of all indispensable AA except Trp were greater ($P < 0.05$) in TCP than in FM. The AID of all dispensable AA except Gly, Pro, and Tau and the SID of all dispensable AA except Pro and Tau were also greater ($P < 0.05$) in TCP than in FM. In Exp. 2, 20 4 pigs (initial BW: 18.0 ± 3.5 kg) were placed in metabolism cages and randomly allotted to 3 diets. The first diet contained 96.4% corn, the second diet contained 79.3% corn and 17.0% TCP, and the third diet contained 75.3% corn and 24.0% FM. Total collection of feces and urine was performed for 5 d after a 5 d adaptation period. The DE in TCP was greater ($P < 0.01$) than in FM and corn (4,935, 4,699, and 3,939 kcal DE/kg DM, respectively). The ME in TCP and FM (4,084 and 4,319 kcal ME/kg DM, respectively) were not different, but both values were greater ($P < 0.01$) than the ME in corn (3,812 kcal/kg DM). Results from these experiments indicate that TCP is an excellent source of AA and ME. It is, therefore, possible that TCP can replace FM in diets fed to weanling pigs.

Key Words: amino acids, digestibility, energy, threonine co-product

47 Amino acid digestibility and concentration of digestible and metabolizable energy in a threonine co-product fed to weanling pigs. F. N. Almeida,* R. C. Sulabo, and H. H. Stein, *University of Illinois, Urbana.*

Production of crystalline Thr results in generation of a Thr co-product (TCP) that contains more than 80% CP, 5.20% Lys, 5.10% Val, 4.50% Thr, 4.15% Ile, and 1.06% Trp. It is possible that TCP can be used as a feed ingredient in diets fed to weanling pigs, but there is limited information about the nutritional value of TCP. It was, therefore, the objective of this work to determine the AA digestibility and energy