4 × 4 Latin square design with 4 periods and 4 diets per square. Three diets contained SBM-HP, SBM-LO or SBM-CV as the sole source of AA. The fourth diet was a N-free diet that was used to determine basal ileal endogenous losses of AA. Each period lasted 7 d and ileal digesta were collected on d 6 and 7 of each period. Results showed that the SID for all AA, except Pro, was not different ($P < 0.05$) among the 3 sources of SBM. The DE and ME in the 3 sources of SBM were measured using 24 barrows (initial BW: 11.9 ± 1.24 kg BW) that were placed in metabolism cages and randomly allotted to 4 diets. A corn-based diet and 3 diets containing corn and SBM-HP, corn and SBM-LO, or corn and SBM-CV were formulated. Urine and feces were collected over a 5-d period following a 7-d adaptation period. The DE and ME in each source of SBM were calculated using the difference procedure. The concentration of DE in SBM-HP, SBM-LO and SBM-CV was 4,349, 4,283, and 4,367 kcal/kg DM, respectively. These values were not different from the DE of corn (4,100 kcal/kg DM). The concentration of ME was 4,138, 4,047, and 4,244 kcal/kg DM in SBM-HP, SBM-LO, and SBM-CV, respectively. These values were not different. The ME of corn (4,053 kcal/kg DM) was not different from the ME of any of the SBM. It is concluded that the SID values for SBM-HP and SBM-LO are similar to the SID values for SBM-CV and there is no difference in DE and ME values among the 3 meals.

Key Words: amino acid digestibility, energy concentration, soybean meal

336 Amino acid digestibility and energy concentration in soybean meal produced from high protein, high digestible, or conventional varieties of soybeans and fed to weanling pigs. K. M. Baker* and H. H. Stein, *University of Illinois*, *Urbana*.

Two experiments were conducted using 3 sources of soybean meal (SBM). The SBM were produced from high-protein (SBM-HP), high digestible (SBM-HD), and conventional (SBM-CV) varieties of soybeans. The 3 SBM contained 54.9, 53.6 and 47.5% CP, respectively. The standardized ileal digestibility (SID) of AA in the 3 ingredients was measured using 8 barrows (initial BW: 14.3 ± 1.23 kg BW) that were equipped with a T-cannula in the distal ileum and allotted to a replicated