

Swine Phase Feeding Program Guide

SID Amino Acid Formulation | Least-Cost Modeling | Commercial Swine Production

| Phase               | Weight (lbs) | CP % | SID Lys % | ME (kcal/kg) | Daily Intake (lbs) | Target ADG (lb) |
|---------------------|--------------|------|-----------|--------------|--------------------|-----------------|
| Phase I - Nursery   | < 25         | 24.0 | 1.45      | 3,340        | 0.5–1.0            | 0.90–1.10       |
| Phase II - Nursery  | 25–50        | 21.0 | 1.30      | 3,380        | 1.5–2.5            | 1.30–1.60       |
| Phase I - Grower    | 50–100       | 18.0 | 1.10      | 3,400        | 3.5–5.0            | 1.70–2.00       |
| Phase II - Grower   | 100–150      | 16.0 | 0.95      | 3,400        | 5.0–6.5            | 1.80–2.20       |
| Phase I - Finisher  | 150–200      | 15.0 | 0.85      | 3,380        | 6.0–7.5            | 2.00–2.40       |
| Phase II - Finisher | 200–265      | 14.0 | 0.78      | 3,360        | 7.0–8.5            | 2.10–2.50       |

| Phase                         | CP % | SID Lys % | Daily Rate (lbs) | Key Nutrient Notes               |
|-------------------------------|------|-----------|------------------|----------------------------------|
| Gilt Developer                | 16.0 | 0.85      | 4.5–5.5          | Extra Ca/P for bone density      |
| Sow Gestation (Early)         | 14.0 | 0.62      | 4.0–4.5          | Folic acid 5 mg/kg, biotin       |
| Sow Gestation (Late, 90–114d) | 15.0 | 0.70      | 5.5–6.5          | ! energy for fetal growth        |
| Sow Lactation                 | 18.0 | 1.05      | 12–16 (ad lib)   | SID Lys 55g/day minimum          |
| Sow Flushing (Pre-breed)      | 16.0 | 0.85      | 6.0–7.0          | High energy to improve ovulation |

| Ration              | CP % (Min) | Fat % (Min) | Fiber % (Max) | Ca % | P %  | Zinc (ppm) |
|---------------------|------------|-------------|---------------|------|------|------------|
| Nursery Starter 24% | 24.0       | 4.0         | 4.0           | 0.85 | 0.75 | 100        |
| Swine Grower 18%    | 18.0       | 3.0         | 5.0           | 0.65 | 0.55 | 100        |
| Swine Finisher 14%  | 14.0       | 2.5         | 7.0           | 0.55 | 0.45 | 100        |
| Sow Gestation 14%   | 14.0       | 2.5         | 8.0           | 0.90 | 0.75 | 100        |
| Sow Lactation 17%   | 17.0       | 3.5         | 5.0           | 0.85 | 0.75 | 100        |