

## DESCRIPTION

Laboratory Porcine Grower Diet is a Constant Nutrition® diet containing an average energy content and nutrient base for crossbred swine. It allows animals to reach normal performance levels. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

### Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Formulated for crossbred swine to reach normal performance levels

### Product Forms Available

- Pellet, 4 mm (5/32") diameter x 6 mm (1/4") length

### Other Versions Available

- 5LT7 Laboratory Porcine Grower Diet (2 ton min)

## GUARANTEED ANALYSIS

Crude protein not less than	16.0%
Crude fat not less than	2.5%
Crude fiber not more than	5.0%
Ash not more than	7.5%

## INGREDIENTS

Ground corn, wheat middlings, dehulled soybean meal, porcine meat meal, cane molasses, salt, calcium carbonate, dicalcium phosphate, monocalcium phosphate, choline chloride, biotin, vitamin A acetate, folic acid, cholecalciferol, l-lysine, zinc oxide, dl-alpha tocopheryl acetate, calcium pantothenate, nicotinic acid, riboflavin, vitamin B<sub>12</sub> supplement, manganous oxide, copper sulfate, zinc sulfate, ethylenediamine dihydriodide, ferrous sulfate, copper chloride, sodium selenite.

## FEEDING DIRECTIONS

Laboratory Porcine Diet Grower is designed to be fed to pigs who have completed the Laboratory Porcine Diet Starter phase (at about 8 weeks of age). When changing from the Starter diet to the Grower diet, mix equal amounts of the two diets and feed for 3-5 days to help adjust the pigs to the new feed. Regulate the amount of feed to control the growth rate and satisfy the animal's appetite.

### Follow these management practices:

- Provide a source of fresh, clean water and adequate drinking space per pig at all times.
- Provide a draft-free pen with clean, dry sleeping area.
- When using a self-feeder, make sure it is adjusted to minimize feed wastage.
- Feeders should be well managed so as to provide adequate feeder space, prevent moisture condensation, mold growth and insect infestation.
- Consult your veterinarian for recommended health programs in your area.

## CHEMICAL COMPOSITION<sup>1</sup>

### Nutrients<sup>2</sup>

<b>Protein, %</b>	<b>16.0</b>
Arginine, %	0.96
Cystine, %	0.24
Glycine, %	0.92
Histidine, %	0.41
Isoleucine, %	0.68
Leucine, %	1.30
Lysine, %	0.77
Methionine, %	0.28
Phenylalanine, %	0.72
Tyrosine, %	0.45
Threonine, %	0.57
Tryptophan, %	0.19
Valine, %	0.78
Serine, %	0.80
Aspartic Acid, %	1.45
Glutamic Acid, %	3.92
Alanine, %	0.90
Proline, %	1.51
Taurine, %	<0.01
<b>Fat (ether extract), %</b>	<b>4.0</b>
<b>Fat (acid hydrolysis), %</b>	<b>4.4</b>
Cholesterol, ppm	30
Linoleic Acid, %	1.70
Linolenic Acid, %	0.06
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.06
Total Saturated Fatty Acids, %	1.04
Total Monounsaturated Fatty Acids, %	1.19
<b>Fiber (Crude), %</b>	<b>4.1</b>
Neutral Detergent Fiber <sup>3</sup> , %	18.5
Acid Detergent Fiber <sup>4</sup> , %	5.4
<b>Nitrogen-Free Extract (by difference), %</b>	<b>61.6</b>
Starch, %	40.9
Glucose, %	0.33
Fructose, %	0.32
Sucrose, %	1.35
Lactose, %	0
<b>Total Digestible Nutrients, %</b>	<b>75.9</b>
<b>Gross Energy, kcal/gm</b>	<b>3.99</b>
<b>Physiological Fuel Value<sup>5</sup>, kcal/gm</b>	<b>3.46</b>
<b>Metabolizable Energy, kcal/gm</b>	<b>3.16</b>
<b>Minerals</b>	
<b>Ash, %</b>	<b>4.3</b>
Calcium, %	0.80
Phosphorus, %	0.64
Phosphorus (non-phytate), %	0.30
Potassium, %	0.75
Magnesium, %	0.19

Sulfur, %	0.20
Sodium, %	0.23
Chlorine, %	0.40
Fluorine, ppm	13
Iron, ppm	210
Zinc, ppm	102
Manganese, ppm	61
Copper, ppm	15
Cobalt, ppm	0.1
Iodine, ppm	0.91
Chromium, ppm	<0.1
Selenium, ppm	0.28

### Vitamins

Carotene, ppm	2.2
Vitamin K (as menadione), ppm	Trace
Thiamin Hydrochloride, ppm	5.3
Riboflavin, ppm	4.4
Niacin, ppm	69
Pantothenic Acid, ppm	18
Choline Chloride, ppm	1180
Folic Acid, ppm	4.0
Pyridoxine, ppm	4.6
Biotin, ppm	0.2
B <sub>12</sub> , mcg/kg	18
Vitamin A, IU/gm	13
Vitamin D <sub>3</sub> (added), IU/gm	1.1
Vitamin E, IU/kg	54
Ascorbic Acid, mg/gm	—

### Calories provided by:

Protein, %	18.475
Fat (ether extract), %	10.393
Carbohydrates, %	71.132

### \*Product Code

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemi-cellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.