

Revitalizing nutrition & health

SWINE BLUELITE®

The original water soluble hydration product for pigs.

Swine BlueLite is an electrolyte water acidifier in combination with multiple energy sources specifically designed to combat losses of body shrink or dehydration in swine of any age. Swine BlueLite may be administered in the water or feed whenever pigs are dehydrated or show evidence of shrink as a result of stresses associated with weaning, sorting, and handling.

Swine BlueLite is extremely palatable and is readily consumed by pigs and in most situations it will significantly increase water intake to help reduce shrink or dehydration. Swine BlueLite is so palatable that it can be fed to nursing pigs or newly weaned pigs to help combat dehydration and may be used in conjunction with most medicants to cover the taste of unpalatable drugs used in treating infections in the young piglet and feeder pig. Stresses such as severe changes in weather, environment, housing, or production management can lead to reduced feed and water intake. Swine BlueLite should be administered in the water or feed intended for finishing hogs, lactating sows, and gilts whenever water or feed intake is reduced.

FLUID-ELECTROLYTE BALANCE

Water represents over 50 percent of the body weight of the mature pig, and since fat is almost free of water, the young piglet has a much higher percentage of water in his body than the mature pig. Water represents almost 75 percent of the young piglet's body weight.

Electrolytes serve as the primary way in which the body balances its fluids in the three compartments of the body where the fluid is held. Through the electrolytes and their osmotic pressure, the body fluids are maintained at proper levels or balances between intracellular fluid in the cells in relation to the fluid of the interstitial tissue outside the cells and blood vascular fluid. Without adequate water and electrolytes, the body cannot maintain its proper fluid balance between the compartments and the tissues start to wither and dehydrate.

Dehydration of the cells and tissues leads to body shrink, reduced growth, impaired maintenance, and may result in death when the body loses between 7-15 percent of its normal body fluid. Young pigs, which have a very high percentage of their body weight in fluid, are very subject to severe dehydration, which contributes to the high mortality when they are exposed to stress or disease. Enteric infections caused by E. coli, TGE, and rotavirus quickly dehydrate the body, as the fluids are lost via the stools. This dehydration from the diarrhea makes the young piglet subject to shock and death in a matter of minutes or several hours.

ENERGY-ELECTROLYTE FORTIFICATION

Swine BlueLite is a multiple electrolyte formula in that it provides seven electrolytes to help maintain fluids in the cells as compared to many electrolyte formulas which only provide two or three electrolytes.

Swine BlueLite provides the four essential cations—potassium, magnesium, sodium, and



WHEN TO USE:

- Nursing Pigs
- At Weaning
- Starting Feeder Pigs
- Lactating Sows
- For Pigs of Any Age

FEATURES AND BENEFITS:

- Swine BlueLite is very economical in that it only costs 2-6 cents a day to treat pigs up to 60-70 pounds body weight
- Cuts losses of body shrink/dehydration for stresses of weaning, sorting and handling
- Boosts water intake
- Helps stimulate feed intake

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calcium—which are required by the fluids in the tissues and three anions—bicarbonate, phosphate, and chloride.

These multiple sources of electrolytes help maintain the fluids in the blood vessels, tissues, and cells of the body because they are readily absorbed from the intestinal tract. Swine BlueLite was specifically designed to assure rapid absorption of the electrolytes.

Swine BlueLite also contains dextrose, fructose, sucrose, and lactose. These multiple energy sources provide a wider spectrum and prolonged energy reservoir as compared to one energy source. This multiple energy source plus the glycine is of great value in alleviating the hypoglycemia or reduced blood sugar that is a primary contributing factor to the high mortality rate of baby pig enteritis.

WATER ACIDIFICATION ACTION

The young pig has limited ability to secrete acid in its digestive tract. *E. coli*, which are a primary cause of neonatal infections and death in the young piglet, are known to proliferate and grow in the digestive tract when the pig doesn't produce enough of the proper acid to maintain the proper pH.

Many acidifiers have been tested to help inhibit the growth of the *E. coli* in regard to their acidification action and palatability. Swine BlueLite was specifically designed to promote acidification action in a palatable, safe manner. The unique palatable buffered acidifier in Swine BlueLite has been field tested and proven very effective in regard to its ability to provide an acidification action in a palatable form.

FIELD RESULTS

Swine BlueLite has been field tested in normal pigs at weaning and as a tool for supportive therapy in enteric *E. coli* infections. The results of these field tests indicate:

- Swine BlueLite can increase weight gain or reduce shrink under normal farm conditions when weaning.
- Pigs will consume more water when Swine BlueLite is added to the water to reduce shrink and dehydration.
- Swine BlueLite is an excellent product for supportive therapy when treating pigs for scours or pneumonia.

INDICATIONS AND DIRECTIONS FOR USE

Swine BlueLite is designed for swine of any age as an aid to reduce losses of shrink, dehydration, and hypoglycemia associated with stress, scours, weaning or management.

Always administer Swine BlueLite in the drinking water whenever pigs show the above symptoms for 5-7 days and maintain in the feed for 7-14 days according to the following schedule in one of the following ways:

- One ounce (3 level tbsp) of Swine BlueLite powder for each 4 gallons of drinking water.
- One cup of Swine BlueLite powder for each 24 gallons of drinking water.
- One pound (2.5 cups) of Swine BlueLite powder for each 64 gallons of drinking water.
- Stock solution—mix 2 pounds or 5 cups of Swine BlueLite powder in enough water to make one gallon of stock solution. Administer 1 ounce of stock solution in each gallon of drinking water.

FEED MIXING

Add 1 bag (6 pounds or 2.72 kg) of Swine BlueLite to each ton of complete swine feed. Keep Swine BlueLite in the feed or ration for 7 days or until pigs no longer show signs of dehydration or shrink, or until feed intake has returned to normal.

GUARANTEED ANALYSIS:

Sodium (Na)	min	1.00%
Potassium (K)	min	0.84%
Calcium (Ca)	min	0.16%
Phosphorus (P)	min	0.16%
Magnesium (Mg)	min	0.03%

AVAILABLE SIZES:

- 2 lb. Bag
- 6 lb. Bag