

Revitalizing nutrition & health

## Baby Pig Restart™ One-4

Gruel or top dressed powder used to stimulate feed intake for young pigs.

Baby Pig Restart One-4 is specifically designed to help prevent starve-outs and stunting in young pigs that are not consuming sufficient or adequate energy from their milk or pig starter intake.

After extensive field testing and evaluation in a wide variety of on-farm situations, Baby Pig Restart One-4 has been shown to help reduce losses of stunting and starvation when administered in one of the following ways:

- As a top dress on pig starter after weaning.
- Mixed with water to form a gruel for pigs that are nursing or are very starved after weaning.
- As an oral drench or mouth lavage during the first few days of life.

The very tasty water dispersible blend of acidified milk, blood plasma, animal fat and multiple energy sources, in combination with the electrolytes and vitamins in Baby Pig Restart One-4, makes Baby Pig Restart One-4 the ideal product for use in helping prevent losses due to starvation and inadequate energy intake in the young pig.

### WHY BABY PIGS STARVE AND STUNT

When a pig is born, it has a short six to twelve hour energy reserve within its body. Most healthy farrowed pigs have a two to four hour blood, liver and tissue energy supply and a body fat reserve equivalent of about 1-1/2 percent of its body weight.

If a baby pig doesn't receive fat and lactose rich milk within two to three hours after farrowing, it will use up its limited energy reserve very quickly. From birth to four or five weeks of age pigs require substantial amounts of energy to maintain their body temperature. Chilling, diarrhea and environmental stress burn up the young pig's energy reserve at an increased rate, predisposing the pig to hypoglycemia and starvation. Primary causes of baby pig mortality are dehydration and the hypoglycemia associated with inadequate milk intake during nursing or the lack of sufficient energy intake after weaning.

Fast growing, healthy pigs reach 12-14 pounds body weight between 21 and 24 days of age and normally develop a body fat content of 12-15 percent of their body weight as they approach weaning age. The normal stress of weaning causes a rapid depletion of energy and body fat. Recent research has shown that normal pigs, without the stress of diarrhea, utilize or burn up 35-50 percent of their body fat within 36 hours after weaning. To reduce weaning stress, even normal, healthy pigs require quick energy within hours after weaning. Their body fat reserves frequently drop to seven to nine percent of their body weight with just normal weaning stresses.



### WHEN TO USE:

- At Weaning
- For Starved Neonatal Pigs
- Energy Deficient Pigs

### FEATURES AND BENEFITS:

- Provides blood plasma, protein, milk and animal energy sources in combination with glycine, dextrose, sucrose, fructose, and lactose
- Helps prevent losses of starvation and stunting from lack of energy intake from birth through weaning
- Acidified to help promote optimum digestion
- Fortified with vitamins, electrolytes, enzymes and microbial cultures
- Tasty and easy to use - top dress, mix in drinking water or drench

Pigs with added diarrhea stress at weaning are significantly more susceptible to dehydration, stunting and starving, as their energy and electrolyte intake and fat reserves are not sufficient to maintain normal body temperature and metabolism.

## CURRENT PRACTICES, ENERGY UTILIZATION

More and more swine producers do not feed any pre-starter prior to weaning. This growing practice of no creep feeding prior to weaning creates a critical 48-hour period after weaning when high energy intake is essential. Even when pigs are fed a well-formulated pre-weaning starter, the total feed intake is often quite insignificant prior to weaning. Research has shown that most pigs will not consume over a half pound of pre-starter prior to weaning at 20—22 days of age.

Most nursing pigs prefer to nurse milk from their dams rather than eating dry feed the first three to four weeks of life. Pigs under four or five weeks of age have a very immature digestive tract and as such, they have a limited ability to digest and assimilate vegetable protein, fat and energy. Because of this juvenile digestive capacity, the concentrated milk fat, lactose and blood plasma in Baby Pig Restart One-4 are ideal nutrient supplements for the young piglet. Baby Pig Restart One-4 is acidified with Swine BlueLite® to help create an optimum pH environment for maximum digestion and nutrient assimilation.

Baby Pig Restart One-4 is not designed to replace or eliminate the use of a well-formulated pig starter. Unfortunately, many baby pigs do not consume sufficient pig starter the first 48 hours following weaning to meet their energy needs and therefore show signs of stunting or malnutrition during this critical post-weaning phase. In many on-farm evaluations and field trials, Baby Pig Restart One-4 has helped reduce the nutritional stunting in pigs that do not consume sufficient pig starter while nursing or during the first 48 hours after weaning.

Field trials with Baby Pig Restart One-4 have clearly shown that recently weaned pigs readily consume the product. Baby Pig Restart One-4 helps entice pig starter intake when used as a top dress.

## DIRECTIONS FOR USE

### Top Dress

Top dress eight ounces of Baby Pig Restart One-4 on the pig starter twice a day for every 8-10 pigs during the first 48 hours after weaning.

### Liquid Feeding (Gruel)

For pigs of any age, showing signs of stunting or starving, mix eight ounces of Baby Pig Restart One-4 in two quarts of warm water to form a tasty gruel. Initially feed the gruel alone for 1-2 feedings to attract pigs to the pan, mat or feeder. On subsequent feedings, pour the gruel on top of starter pellets to encourage dry feed intake.

### Oral Drench

Mix four ounces Baby Pig Restart One-4 (one part) with eight ounces of water (two parts). Shake or stir well to make a suspension. Slowly administer 15 milliliters or about ½ fluid ounce of the suspension on the back of the tongue. Repeat as needed for severely stunted or starved one-to five-day-old piglets.

## GUARANTEED ANALYSIS:

Crude Protein	min	16.00%
Crude Fat	min	10.00%
Crude Fiber	min	0.50%
Vitamin A	min	15,000 IU/lb
Vitamin D	min	2,750 IU/lb
Vitamin E	min	25 IU/lb
Sodium (Na)	min	0.77%
Potassium (K)	min	0.66%
Calcium (Ca)	min	0.57%
Calcium (Ca)	max	1.07%
Phosphorus (P)	min	0.50%
Magnesium (Mg)	min	0.06%

## AVAILABLE SIZES:

- 2 lb. Bag
- 25. lb. Pail