## 8

## TDTAL NUTRITION" <br> SAFE - HEALTHY - EFFICIENT

Through TOTAL NUTRITION™, Kemin offers a range of nutritional solutions for raising healthy animals. Kemin understands you need to raise healthy livestock that gives consumers the nutritional and health benefits they are looking for, while also returning a profit. We focus our products and services to help you achieve:

- Safe Solutions
- Healthy Solutions
- Efficient Solutions

Our Total Nutrition solutions can help you feed the world.
WWW.KEMIN.CDM/CLOSTAT
1-800-752-2864


## BALANCEDFROM THE INSIDE OUT

## CLOSTAT® Active Microbial

For ideal gastrointestinal balance.

## CLOSTAT contains a proprietary,

patented strain of Bacillus subtilis, PB6.
PB6 is a unique, naturally occurring spore-forming microorganism. Kemin identified and selected the specific strain of PB6 because it secretes an active substance that helps maintain the balance of microflora in the intestinal tract of poultry and livestock.

## Features

- Contains PB6, a unique strain of Bacillus subtilis.
- Stable during processing and packaging, when blended with other feed ingredients, and under normal commercial pelleting conditions.
- Proven efficacy in research studies.
- An active microbial from Kemin.


## Benefits

- CLOSTAT, formulated with PB6, provides consistent performance and value.
- Easily mixed into swine diets to ensure that the proper dose is delivered through the feed to the animal.
- Contributes to stable and healthy microflora in the gut.


An improved maternal line of sows housed in a typical production unit were fed Bacillus subtilis PB6 for 12 weeks. Production parameters on the farm were compared to the previous 12 week period where no Bacillus subtilis PB6 was fed:

## Comparison of Sow Parameters

| Item | Previous 12 Weeks | 12 Week Trial Period |
| :---: | :---: | :---: |
| Non-Productive Sow Days | 57.70 | 54.40 |
| Wean to 1st Serice (days) | 6.36 | 6.51 |
| Pre-Weaning Mortaity (\%) | 18.41 | 18.05 |
| Pigs weaned/liter | 9.63 | 9.75 |
| Weaning weightpig (lbs.) | 12.84 | 12.92 |
| Sow Mortalit (\%) | ${ }^{9.52}$ | 9.05 |

Bacillus subtilis PB6 fed to sows resulted in a 3 - 5 day improvement in non-productive sow days and a $0.36 \%$ reduction in pre-weaning mortality. Pigs nursing Bacillus subtilis PB6 sows were heavier (12.92\# versus 12.84\#) and there were more of them ( 9.75 versus 9.63 ) at weaning. Sow mortality also decreased from 9.52 to $9.05 \%$. TL-10-00043

A sow lactation trial conducted in a typical production unit:



