



FEEDING DIRECTIONS

FOR SWINE

Nursery and Grower/Finisher Pigs:
Add to the complete feed at a rate of 1.0 kg per tonne.
(1 kg = 2.205 lbs, 1 tonne = 1.102 ton).

Nursing Sows:

Add to the complete feed at a rate of 2.5 kg per tonne.

Dry Sows:

Add to the complete feed at a rate of 5.0 kg per tonne.

FOR CATTLE

Calves, Replacements, Beef and Dairy Cows:
Add to the complete feed at a rate of 0.75 kg per tonne.

Dry and Lactating Dairy Cows:

Body weight 400 - 700 kg
Maximum daily intake 100 g
of product per cow

FOR POULTRY

Add to the complete feed at a rate of 0.25 to 0.50 kg per tonne.

FOR HORSES

Add to the complete feed at a rate of 0.75 kg per tonne.

FOR SALMONID FISH

Add to the complete feed at a rate of 1.25 kg per tonne.

HANDLING AND STORAGE

Keep container closed and store in a cool, dry area for maximum stability. Avoid leaving container open for extended periods of time.

CAUTIONS

1. Do not use this feed in association with another feed containing supplement selenium
2. Feeding directions must be carefully followed.
3. Keep out of reach of children.

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**VITAMIN E,
VITAMIN C,
SELENIUM AND
YEAST CELL WALL
SUPPLEMENT
FOR SWINE, CATTLE,
POULTRY, HORSE AND
SALMONID FISH FEEDS**

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**START YOUR FUTURE NOW WITH OUR
RESEARCH-PROVEN PRODUCTS – EACH ONE
TARGETED TO PROVIDE A SPECIFIC SOLUTION.**



A combination of natural, safe, potent immune enhancing and bioactive feed supplemental ingredients for the livestock and agricultural industry.

How to use bioSTART™

- In complete mash or pelleted feeds
- In vitamin/mineral premixes
- In supplements
- In liquid feed systems
- With other START products

KEY INGREDIENTS

PROVALE™

Provale is a purified yeast cell wall material extracted from *Saccharomyces cerevisiae*. Provale is comprised of greater than 70% carbohydrate molecule classified as beta glucan. Beta glucan has been shown to improve feed efficiencies and promote overall livestock and salmonid health under certain challenges.

VITAMIN E

Vitamin E provides an antioxidant action which helps stabilize oxidation-sensitive fatty acids. Vitamin E also helps in the resolution of carbohydrates and creatine metabolism, muscle metabolism and the glucose balance, preparation for and protection of pregnancy, and with the stimulation of immunoglobulin formation.

VITAMIN C

Deficiencies of Vitamin C can lead to impairment of growth and fertility, increased susceptibility to infections, spontaneous mucosal bleeding and reduced egg shell strength under heat stress. It is well accepted that any type of stress condition may warrant the addition of this vitamin to livestock feeds.

RESEARCH SHOWS

FOR SWINE

Growing Pigs: bioSTART may help maintain or increase performance of growing pigs when challenged with certain health problems.

Sows: bioSTART may help sows provide better passive immunity to their piglets in stress situations arising from environmental and disease pressure.

FOR POULTRY

bioSTART may help broiler chickens maintain six week growth performance when antibiotics are not supplemented.

FOR AQUACULTURE

bioSTART may help reduce certain disease challenges in Salmonid fish.

FOR HORSES AND CATTLE

The combination of key ingredients found in bioSTART are well known in research studies in these types of livestock. bioSTART may help when extra Vitamin E, Vitamin C and Beta Glucan (from *Saccharomyces cerevisiae*) are suggested by nutritionists and veterinarians.