

# Active Feed Dry Yeast

Probiotic product of *Saccharomyces cerevisiae*



Special strain suitable for intestine environment

Compatible with antibiotics

High purity & activity



**Yeast** For Animal Nutrition

## Description

Fubon Active Feed Dry Yeast is high purity live yeast product for live stock. It is produced by submerged fermentation of selected strains of *Saccharomyces cerevisiae* from monogastric animals. It can adapt to the gastrointestinal low pH environment and improve the feed digestion via balancing the intestine microflora.

## Efficacy

- Improve fermentation in hindgut, reduce constipation incidence of sow
- Improve feed digestibility, promote animal growth
- Improve breeding environment (reduce ammonia and manure emission)

## Mode of Action

### Regulate intestinal microflora

As its facultative anaerobic property, the yeast cells can scavenge oxygen in the digestive tract of animals and make an anaerobic condition that can prohibit the replication of harmful bacteria, like *E. Coli* and Salmonella, and increase the multiplication of beneficial bacteria, like Bifidobacteria and Lactic acid Bacteria.

### Produce organic acid, reduce intestinal pH

The yeast in gut can utilize chyme and produce various organic acids including lactic acid, acetic acid, citrate acid, malic acid, which can release the effect of shortage on gastric acid secretion of young animals.

## Guaranteed analysis

Live yeast count  $\geq$  20billion/g

## Application trails

### Fubon Active Feed Dry Yeast is compatible with antibiotics

Table 1. Sensitivity of Active Feed Dry Yeast on commonly used antibiotics.

Antibiotics	MIC	MBC	MBC/MIC
Chlortetracycline, CTC	50.0	>100.0	>2
Virginia- mycin, VGM	50.0	>100.0	>2
Flavomycin, FVM	25.0	100.0	4
Florfenicol, FFC	50.0	>100.0	>2
Lincomycin hydrochloride, LCM	100.0	>100.0	>1
Enramycin, ERM	50.0	>100.0	>2
Bacitracinzinc, BCT	50.0	>100.0	>2
Thiamphenicol, TPN	50.0	>100.0	>2

Antibiotics	MIC	MBC	MBC/MIC
Norfloxacin, NFC	50.5	>100.0	>2
Oxytetracycline hydrochloride, OTC	100.0	>100.0	>1
Neomycin sulfate, NMC	25.0	100.0	4
Furazolidone, FZD	100.0	>100.0	>1

**Note:** MIC: Minimum inhibitory concentration (mg/L); MBC: Minimum bactericidal concentration (mg/L).

### The activity of Fubon Active Feed Dry Yeast can be well preserved in feed

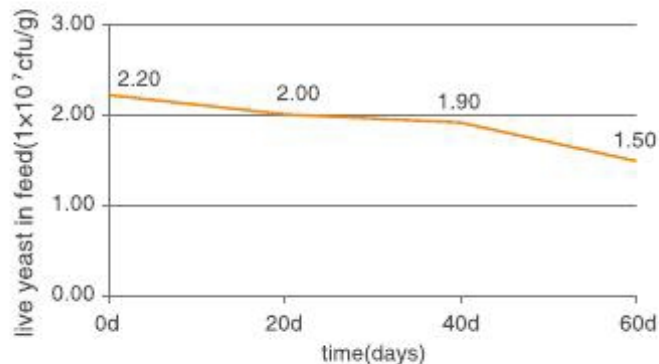


Figure 1. The live yeast count trends when added in concentrate feed

### Fubon Active Feed Dry Yeast can adapt the low pH condition in Stomach, revive quickly and play a role in gastrointestinal tract.

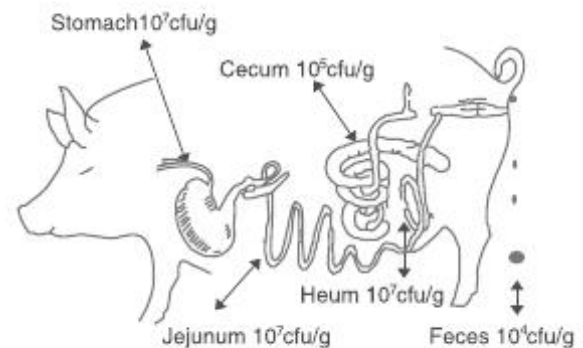


Figure 2. The live yeast count in gastrointestinal tract after oral intake of Fubon Active Feed Dry Yeast.

### Fubon Active Feed Dry Yeast improve the lactation performance of sows, reduce piglet diarrhea incidence

Table 2. Effects of Fubon Active Feed Dry Yeast on sow reproduction performance and piglet health status

Item	Control	1kg/t Active Feed Dry Yeast
ADFI of sow (kg/d)	5.39±0.18	5.59±0.10
Litter weight at weaning (kg/litter)	61.05±3.53 <sup>a</sup>	73.43±5.09 <sup>b</sup>
Average weaning weight (kg/head)	6.68±0.10 <sup>a</sup>	7.71±0.51 <sup>b</sup>
Diarrhea incidence of piglet (%)	2.09±0.64	1.50±1.06

<sup>a,b</sup> Means within a row lacking a common superscript differ ( P < 0.5).

Animals for experiment: fifth-parity Yorkshire sows.

Experimental period: a total of 56 days (from 86th day of sow pregnancy to 28th day post partum).





### Reduce constipation incidence of sow

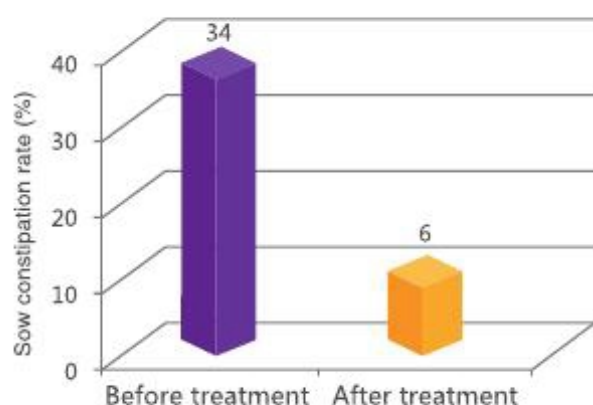


Figure 3. The reduction of sow constipation after Fubon Active Feed Dry Yeast been incorporated.

Animal: 585 heads pregnant sows

Dosage: 0.6kg/t Active Feed Dry Yeast. Trial was performed 20 days

### Fubon Active Feed Dry Yeast can increase feed intake and weight gain of piglets

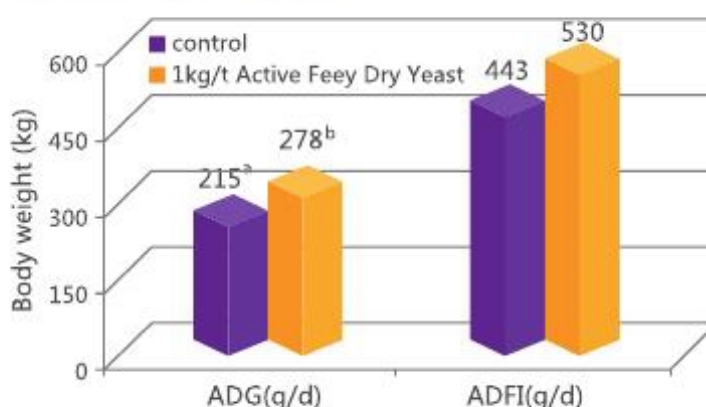


Figure 4. Effects of Fubon Active Feedy Dry Yeast on piglet ADG and ADFI

<sup>a-b</sup>Means within a row lacking a common superscript differ (  $P < 0.5$  )

Animals: 28 days old weaned piglets

The experiment was conducted 28 days

## Dosage and usage

Animal	Benefit	Dosage(in feed)
Piglet	Lower diarrhea incidence Improve feed digestibility and animal growth	500-1000g/t
Growing-finishing pigs	Improve feed efficiency Prevent diarrhea incidence at autumn & wintere	250-500g/t
Sow	Improve hindgut fermentation, reduce constipation of sow Increase the lactation performance of sows and health status of postnatal piglet. Reduce pathogens in feces, improve breeding environment	500-1000g/t
Poultry	Improve the feed digestibility Reduce watery stool occurrence	300-600g/t

**Package** 10kg per carton with vacuum packaging.

**Storage** The shelf life is 24 months, please keep in a cool and dry place.

**Attentions** Please use up once it been opened.



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