

Recommended Dosage

DINASE 30-30%	
Broilers	Grams / M.T.
Broilers	160
Layers	53
Turkeys	160
Cattle (meat and dairy)	0.88 mg/kg of weight to maximum 340 mg/head/day.
Horses	0.88 mg/kg of weight to maximum 300 mg/head/day.
Pigs	
Starter	90
Lactating Sows	90
Grower	45
Finisher	45
Gestating sows	45
Rabbits	48
Cats	48
Dogs	92
Aquatic Species	48



Composition

Pure Yucca Schidigera extract total dissolved solids	D	30%
Free flowing silicon dioxide carrier and calcium carbonate .		70%
Total		100%

Product Specifications

Color	Medium to light tan powder.
Guaranteed Analysis	30 % Natural Yucca Schidigera extract supplement.
Storage	Dry and cool environment. Keep container closed.
Saponin content (%), (ppm)	~14-16 %, with 10% variability. Saponin content 140-160,000 ppm.
For Use in	Poultry, pigs, dairy cattle, aquatic, equines and pet feeds.
Directions	Use as recommended up to 160 grams per metric ton.
Bulk density	22 lbs. per cubic ft.
Particle size	60 mesh
Listed as	GRAS (<i>Generally Recognized As Safe</i>).

DISTRIBUTED BY:

Diversified Nutri-Agri Technologies Inc.,

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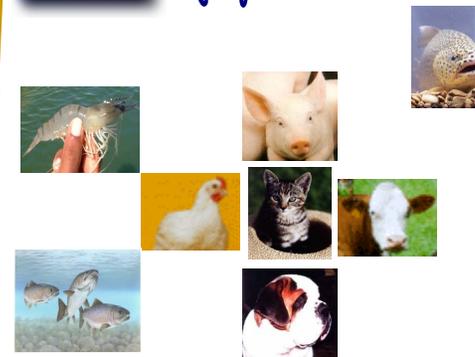
Phone 770-531-1309, FAX # 678-608-2770; TOLL FREE 888-DINATEC (888-346-2832)

We Deliver Optimum Profitability and Performance



DINATEC

Quality You Can Trust



DINASE 30-30 DRY 15-S

Advanced concentrated saponin source Technology



Dinase 30-30 is a 100% natural extract of the Yucca Schidigera plant.

DINASE Q & A

What is DINASE 30-30

DINASE 30-30 is a technologically advanced super concentrated source of saponin.

What is the active ingredient of DINASE 30-30?

DINASE 30-30 is a naturally concentrated extract of the *Yucca Schidigera* plant.

How does DINASE 30-30 work?

- Ammonia is reduced as a result of improved protein (nitrogen) utilization.
- Improves weight gain by depositing high percentages of dietary nitrogen in lean tissue (muscle), as a result there is less waste nitrogen excreted.
- Therefore, less ammonia is produced.
- Improvement in feed efficiency reduces the amount of protein (nitrogen) required to produce a unit of weight gain.
- Less nitrogen is consumed by the animal.

Why is ammonia gas dangerous to animal health?

Ammonia is an irritating and toxic gas that is excreted in the feces and urine of animals. This gas is detoxified in the liver, using up energy normally conserved by the animal for muscle growth and other breeding purposes. Feed intake, sexual maturity, and rate of lay will be affected negatively as a result of continued exposure to ammonia. Aerial ammonia increases the incidence of respiratory infections due to irritation in the respiratory tract.

Higher feed conversion economically affects the producer. It is therefore important for the producer to be aware of the potential performance loss of animals exposed to prolonged high levels of ammonia.



How are we going to detect ammonia in the animal house?

The rule of thumb is: if there is a burning sensation to the human eye, atmospheric ammonia is 50 ppm or above. There are other objective methods of measurement.

Effect	Level of Ammonia, ppm
Negative effect Human health	7
Detection by Human Smell	10
Negative effects animal health	11
Negative effects animal reproduction	20
Human eyes/through burning	30
Acute inflammation of trachea	50

Most animal facilities have aerial ammonia levels of 5 to 150 ppm



Economic advantages gained by using DINASE 30-30 Dry.

Results from swine and poultry experiments abroad revealed the following:

In swine, DINASE 30-30

- Reduces environmental ammonia by 50 % PLUS
- Reduces intestinal ammonia by 50 - 60 % PLUS
- Improves Feed Conversion (FCR) by 4.5% or more
- 1.3 more weaned pigs/sow/year
- Improves weight gain by 4.9% or more

In Dairy cattle

- 3½ lbs. + more milk/ cow/ day



In broilers

- 40% + reduction in ascitis mortality
- Weight gain increases by 2 % +
- Improves Feed Conversion 2%+



In layers, 4-6 + more eggs

In pets

- show a reduction of 50% + plus in environmental odors, better health and overall disposition

