

What is Agra Ade Yucca Meal?

AGRA YUCCA MEAL is a specially formulated source of Yucca for addition to animal feeds. It contains 15% or 30% total dissolved solids and is made totally of the Yucca plant. It contains no filler or carrier which often reduces the activity of Saponin.

AGRA YUCCA MEAL contains Saponin, a natural wetting agent produced by the Yucca plant, which offers special surface tension properties, and due to certain biological properties is useful for, but not limited to the

USE RATE FOR FEEDS

AGRA YUCCA MEAL 15%

2 ounces per ton.

AGRA YUCCA MEAL 30%

1 to 2 ounces per ton.

Levels may be increased 0.5 ounces per ton when extreme odor conditions occur.

USE RATE FOR SOIL TREATMENT

AGRA YUCCA MEAL 15%

0.5 pounds per 1000 square feet.

AGRA YUCCA MEAL 30%

0.25 pounds per 1000 square feet.

PRODUCT SPECIFICATIONS

AGRA YUCCA MEAL 15%

Tan color, 80 mesh meal, Bulk Density 22 lbs. per cubic foot, and pH of 5.0.

AGRA YUCCA MEAL 30%

Tan color, 100 mesh meal, Bulk Density 22 lbs. per cubic foot, and pH of 5.0.

AGRA ADE YUCCA MEAL CAN REDUCE AMMONIA BY 50% OR MORE IN LIVESTOCK AND POULTRY OPERATIONS



AGRA ADE YUCCA MEAL HAS NO FILLERS AND NO CARRIERS

All natural products containing Saponin and Yucca plant tissue.

Carriers often inhibit activity of Saponin in other products.

AMMONIA THE HIDDEN KILLER



Ammonia and its effects on human and animal health are seldom noticed when the same person works in

the same operation every day. Ammonia can be a hidden killer and often is a major factor in reduced performance. Most producers often admit they have a problem, but seldom realize how

AMMONIA EFFECT ON HUMAN AND ANIMAL HEALTH

- **5 ppm** - Lowest level detectable by smell.
- **6 ppm** - Eye and respiratory irritation begins.
- **11 ppm** - Animal performance reduced
- **25 ppm** - Max. level for 8 hour exposure.
- **35 ppm** - Max. level for 10 minute exposure
- **40 ppm** - Headaches, nausea, and appetite loss in humans.
- **50 ppm** - Severe reductions in animal performance and health. Increased possibility of pneumonia.
- **100 ppm** - Sneezing, salivation, irritation to mucosal surfaces in animals and humans.



AGRA YUCCA MEAL HELPS

◆ CONTROL AMMONIA AND OTHER OFFENSIVE GASES.

Helps improve air quality, feed conversion, average daily gain, increases feed intake, better animal health, and more comfortable working conditions for employees.

◆ REDUCES WASTE VOLUME

The lower volume of waste solids reduces costs of handling liquid and solid manure.

◆ ALL NATURAL, SAFE TO USE

No withdrawal before slaughter. Has no chemical residue and is non corrosive. All natural digestion/degradation and is non-toxic, has no effect on, nor is effected by other normal ration ingredients. Listed as a GRAS LIST safe to use ingredient.

◆ WIDE USE APPLICATION

May be used with all species and sizes of livestock, poultry, and small animals in their feed.

◆ VERY LOW INCLUSION RATE, LITTLE EFFECT ON RATION COST

The addition of AGRA YUCCA MEAL to rations is a very small part of the rations total ingredients, only ounces per ton. This has little to no effect on ration formulation, nor effects other ingredients in the ration.

◆ PROVEN EFFECTIVE\

Many tests have shown the addition of Yucca to a ration reduces ammonia by 50% or more.



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AGRA YUCCA MEAL 15% and 30%

YOUR ANSWER TO MANURE ODOR PROBLEMS.

ANOTHER QUALITY PRODUCT FROM:



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AGRA-ADE

15% AND 30 %

YUCCA FEED ADDITIVES



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