

AGRA-ADE YUCCA LIQUID 70%

70% Solids Derived from Yucca Schidigera

CONTROLS ODORS AND AMMONIA FROM MANURE

REDUCED SLUDGE ACCUMULATION

COMMERCIAL LIVESTOCK APPLICATIONS:

The first recorded feeding trials of the modern era that involved compounds found in *Yucca schidigera* were conducted by a research team working for Charles Pfizer and company. A publication of that work (Hale, W.H., et. Al, 1961) reported the feeding of steroid saponins as saponins to feedlot steers and lambs. Very significant improvements were seen in gain (+17.7%) and feed efficiency (+16.2%). There also tended to be a better quality carcass. This work showed that smilagenin, sarsapogenin and hecogenin were essentially interchangeable, all producing equivalent responses in feedlot trials. A second publication that came from the Pfizer work was fed to confined hogs. Up to ten- percent improvement was seen in both daily gain and feed efficiency. Data quoted for lambs showed up to a fifteen- percent improvement in both of these parameters.

Yucca Liquid 70% contains concentrated *Yucca schidigera* extract. The product is available in quart bottles, gallon jugs, 5-gallon pails, and 55-gallon drums.

CHEMICAL COMPOSITION

- A. Water soluble solids from *Yucca schidigera*..... 70%
- B. N-Butanol solubles, (saponin).....20%
- C. Moisture..... 30%
- D. Emission Spectrographic analysis (Percent):

Potassium	0.5	Iron	0.009	Lead	0.0005
Sodium	0.009	Copper	0.05	Nickel	0.0005
Silicon	0.009	Calcium	0.025	Chromium	0.0000
				1	
Magnesium	0.005	Strontium	0.0002	Boron	0.0001
			5		
Manganese	0.000	Phosphorus	0.005		
	5				

Safety:

- ... ❖ Non-toxic to warm-blooded animals when used as directed.
- ... ❖ Regulated a natural flavoring substance in food without restriction under FDA CFR 172-510.
- ... ❖ Use in commercial livestock feed as flavoring agent AFCO Sec.87.5. Additional special purpose products.

A Product of

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