



YS-50

CORPORATION

Technical Data Sheet

P.O. Box 56 • Alma, AR 72921

YS-50™

YS-50™ is a concentrated extract from the original *Yucca schidigera* plant from the desert of Baja California, Mexico, which is a 100% natural extract obtained by cold press processing and is used to reduce and control the odors, ammonia and other gas emissions of livestock and poultry.

YS-50™ can be added directly to animal's drinking water in a diluted form. Because of the very small size of the particles in the liquid, it is optimal for use in automatic drinking systems.

When applied to manure holding ponds and lagoons, **YS-50™** reduces the level of free ammonia by binding the ammonia and eliminates offensive odors.

YS-50™ SPECIFICATIONS

Contents	<i>Yucca schidigera</i> Concentrated extract ⁽¹⁾ No water added
Appearance	Dark brown liquid
Taste	Bitter/sweet
Toxicity	Non toxic
Shelf life	>18 months at room temperature
Heat stability	Excellent
Concentration	100% extract 50 Brix
pH	4.0 ± 0.2
Solubility	99.6%
Density 1.2	
Packaging	1, 5, 55 and 265 U.S. Gallons

AVERAGE APPROXIMATE ANALYSIS ⁽²⁾

Moisture	49.75%
Crude protein	0.80%
Crude fat	0.60%
Fiber	0.30%
Ash	2.50%
Carbohydrates (including <i>Yucca saponin</i>)	45.75%
Sodium benzoate	0.1%
Iron content	<75ppm

(1) *Yucca schidigera* is approved by the U.S. Food and Drug Administration as a natural food adjuvant under Title 21 CFR 172.510

(2) Due to the natural composition of the extract, its content may

vary throughout the year, therefore this is an average analysis.

YS-50™ APPLICATIONS

■ ANIMAL WASTE TREATMENT

General usage

To use as a detergent and /or odor eliminator, add to ½ ounce per 250 gallons of water for normal cleaning of walls, floors, pens, cages and farrowing crates. The same dosage can be used to reduce ammonia emissions and other offensive odors. **YS-50™** is compatible with most disinfectants and soaps.

Manure holding ponds and lagoons

Using **YS-50™** in manure holding ponds and lagoons will reduce ammonia, hydrogen sulfide and other noxious gases and will liquify the solid sludge. The reduction of free ammonia will accelerate the bacterial activity in ponds and lagoons, because ammonia is toxic to these bacteria.

SUGGESTED USAGE LEVELS

For each 100 cubic feet in the waste water holding facility apply 1½ to 2 ounces **YS-50™** over the surface of the waste once per week until desired odor level control is achieved.

When odor and/or sludge control is achieved, reduce the application rate to ½ ounce per 100 cubic feet and continue to apply **YS-50™** on a weekly basis.

Built up poultry litter: Remove caked, wet litter. Mix 1½ to 2 ounces **YS-50™** in sufficient amount of water to evenly cover each 1,000 square feet of litter. Add to drinking water when birds are placed.

Drinking water: **YS-50™** added to the drinking water of poultry and swine will reduce the level of ammonia excreted in the animal's waste, thus reducing the level of ammonia in the poultry or swine houses. Literature and field trials also indicate a positive effect on the animals daily weight gain, feed conversion and health.

Poultry/Animal dosage

Per 128 gallons water	
Broilers, turkeys, piglets & calves	½ ounce
Layers, grower & finisher pigs	¼ ounce
Cattle	½ ounce
Pets	¼ teaspoon to 5 gallons water



