

Research Summary

Introduction

SarStart® is formulated to make the unique flavor properties of Yucca schidigera extract available to cattle during receiving and feeding periods when consumption tends to be less than what is desired.

SarStart® contains naturally occurring compounds found in the plant genus, Yucca. There have been numerous cattle feeding trials reported both in the technical literature and in the trade press that have shown beneficial effects derived from the inclusion of Yucca schidigera extract in a feed ration.

Research trials showed an increase in the feed intake of cattle fed Yucca schidigera extract during their adaptation period. This increase in feed intake was as much as ten percent.

In addition to providing cattle with Yucca schidigera extract, SarStart® also supplies cattle with supplemental levels of Vitamins A, D₃ and E.

Data

Two trials conducted at Kansas State University, Fort Hays Experiment Station, clearly show the added benefit derived from oral administration of Yucca in addition to that received in the feed.

Trial 1

Duration: 28 days

In Weight: 435 pounds

Ration: 30% grain plus silage and alfalfa hay

Antibiotic: 350 mg each of Aureomycin and Sulfamethazine

Yucca: 0.3 g per head per day in the feed

	Control	AS-700	Yucca
Number of Animals	72	72	72
In Weight - lbs.	435.5	432.6	439.9
Out Weight - lbs.	445.8	450.0	460.9
Gain - lbs.	10.3	17.4	21.0
Feed Intake - lbs./day	10.2	11.2	11.2
% Treated for Shipping Fever	11.2	4.0	4.6

Trial 2

Parameters were the same as in Trial 1 except there were no zero controls and the animals receiving Yucca were also administered one gram of Yucca schidigera extract orally.

	AS-700	AS-700+ Yucca
Number of Animals	78	72
In Weight - lbs.	452.6	457.9
Out Weight - lbs.	470.0	483.3
Gain - lbs. ^a	17.8	25.4
Feed Intake - lbs./day	13.1	13.4
% Treated for Shipping Fever	0.0	0.0

a - difference statistically significant (p < 0.01)

Summary

Both feeding trials show that cattle fed Yucca schidigera extract in the daily feed ration experienced higher overall gain over the 28 day adaptation period. Trial 2 also reveals that cattle orally administered an additional one gram of Yucca extract gained an additional 4.4 pounds over the cattle just receiving Yucca extract in the feed ration.

Directions for Use

For Processing Incoming Cattle:

Orally administer 10 to 50 cc of SarStart® when incoming cattle are processed.



SarTec®

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