

## ALWAYS "FIXED FORMULA" FOR CONSISTENT QUALITY, SAFETY & PERFORMANCE

## WHY YQ+?

YQ+ is new animal feed supplement. There is nothing like it on the market today.

YQ+ specifically focuses on gut health. It is a supplement to the regular diet and originally formulated for sick, stressed animals, and animals about to be stressed (shows/breeding); although customers are reporting improvements in healthy animals as well.

By making the animal healthier from within; they handle stress better, dietary efficiency improves, and young animals have a higher survival rate.

YQ+ contains many unique ingredients including whole plant yucca and Quillaja saponaria. Quillaja is pronounced "key – eye- ahh".

Yucca and Quillaja products have traditionally been regarded primarily as sources of saponins. Saponins have diverse biological effects. Yucca is also a good source of polyphenolic compounds, including resveratrol and the yuccaols. These function as anti-inflammatory agents and as antioxidants.

In some tests with certain species, Yucca and quillaja products reduced the incidence of stillbirths and may have enhanced the immune function of the weanling animal.

## WHOLE PLANT YUCCA

Active components of yucca include saponins and polyphenolics such as resveratrol and yuccaols. Because resveratrol and other phenolics occur only in whole plant yucca powder, and not in yucca extracts, whole plant yucca powder is more effective than yucca extract, in ammonia control.

Saponins may have anti-arthritic effects associated with their anti-protozoal activity and their anti-nematode activity[1]. Yucca polyphenolics may have several roles in anti-arthritic activity, too. Yucca phenolics also are antioxidants and free-radical scavengers. This may aid in suppressing Reactive Oxygen Species (ROS) that stimulate inflammatory responses. Folk medicine and anecdotal reports suggest that whole plant yucca powder aids in prevention and treatment of arthritis. This use evolved from traditional application of yucca, for this purpose, by Native Americans.

1] Nematodes are the most numerous multicellular animals on earth. A handful of soil will contain thousands of the microscopic worms, many of them parasites of insects, plants or animals.

Yucca and quillaja extracts both lower total and LDL cholesterol levels in hypercholesterolemic humans. It is believed by some that saponins might be effective against protozoal diseases (such as coccidiosis) that afflict poultry. Yucca saponins are as effective as the drug metronidazole in killing giardia tropozoites (the active feeding stage of protozoal parasites) in the intestine.

## QUILLAJA SAPONARIA SOAP BARK TREE

The Quillaja saponaria soap bark tree has a long history of medicinal use with the Andean people. They used it especially as a treatment for various respiratory problems. It is the source of quillaja, the extract of which is used as a food additive, as an ingredient in pharmaceuticals, and personal care products. It is used as a foaming agent for drinks. The saponin content of the bark helps to stimulate the production of a more fluid mucous in the airways, thus facilitating the removal of phlegm through coughing. The saponins of this tree are also considered to improve the disbursement of vaccine solutions. The solutions spread at a more rapid rate.

There is more to YQ+ than simply the yucca and quillaja. It is part of a completely balanced diet which contains lecithin, live bacteria, and other natural immune builders. It will blend well with an existing diet when fed at the prescribed rate. The product was developed by Dr. Peter Cheeke, Professor Emeritus, Oregon State University, and internationally renowned animal nutritionist and Dr. John Throckmorton, KING Feeds' Director of Nutrition.

FEED INSTRUCTIONS: YQ+ should be fed at the rate of one-half ounce per chicken, rabbit, chinchilla, or cavy, per day. It is also being recommended for pigs (3 ounces/day). It may NOT be fed to sheep, due to its copper level.

YQ+ takes a totally unique approach to animal health. Customer testimonials indicate noticeable, quick results on sick animals. Key benefits of adding YQ+ to your animals diet:

- ⇒ Improved Health & Longevity
- ⇒ Aid in Digestion (improved feed efficiency and gain)
- ⇒ Improved Respiratory Health
- ⇒ Control of Odor and Ammonia
- ⇒ Enhanced Immune System