

JACOBY'S



SYNERGY

***Jacoby's Synergy* is the next generation in feed additives for ruminants. It contains a highly concentrated combination of isolated natural plant extracts; live and naturally occurring, host-specific strains of beneficial bacteria; active live yeast; highly refined yucca extract; and aspergillus oryzae.**

What makes Jacoby's Synergy superior to other feed additives containing direct fed microbials?

Jacoby's Synergy is comprised of a direct fed microbial component which is only one feature of this truly unique product. The beneficial bacteria in Synergy are:

- 1) species specific thereby enhancing their activity in the animal.
- 2) highly concentrated at 15 billion CFU's per ounce.
- 3) delivered in an encapsulated form which increases the actual intestinal uptake of the bacteria where they are most needed for positive intestinal modification. For a product to be classified as a "competitive exclusion" culture by FDA it must contain beneficial bacteria from the same species as the recipient animal which actually reach the animal's lower gut in order to displace or prevent the colonization of pathogenic bacteria. Most microbial products on the market today have been grossly misrepresented and do not contain live, viable, species-specific bacteria which actually reach the host's intestinal tract. The bacteria in these inferior products are often completely inactivated by contact with moisture either prior to ingestion by the animal or in the animal's rumen immediately after being consumed.

Jacoby's Synergy serves as a concentrated source of selected, isolated natural plant extracts which function as natural vasodilators enhancing blood flow and nutrient uptake by the animal. The potent vasodilating effects of certain plant extracts have been studied and utilized in the field of human medicine for almost 20 years with benefits including lowering cholesterol, reducing heart disease, increasing endurance in athletes, and pain reduction. Synergy is the first product among animal feed additives to incorporate an array of these powerful natural stimulants in commercial dairy and livestock operations.

Jacoby's Synergy contains active live yeast cells (*saccharomyces cerevisiae*) which serve as a source of enzymes and B-vitamins and also enhance the number of fiber digesting bacteria in the rumen thereby improving fiber digestion. The yeast cells in Synergy are rumen-active and contribute to a steady-state rumen environment in the animal which provides greater benefit than yeast culture products which are comprised of dead yeast cells and the media on which they were grown serving only as a potential nutrient source to the existing rumen bacterial population. Live yeast cells also improve protein utilization by increasing ruminal nitrogen retention.

Jacoby's Synergy contains a highly refined yucca extract proven to be beneficial in protein utilization and nitrogen retention in ruminants. The yucca extract in *Synergy* minimizes ammonia emissions and is highly effective in optimizing blood and milk urea nitrogen levels in dairy cattle.

Jacoby's Synergy contains *Aspergillus oryzae* which helps serve as a source of starch digesting enzymes in the animal. *Aspergillus oryzae* has also been shown to enhance milk yield while reducing body temperature in heat stressed ruminants. The effectiveness of *Aspergillus oryzae* is increased in the presence of live yeast.

Jacoby's Synergy is the only product on the market today which addresses the animal's entire digestive and circulatory systems through natural means resulting in increased growth, milk yield, more consistent feed intake, improved metabolic efficiency, and most importantly---a healthier animal.

Jacoby's Synergy Plus is a specially formulated blend of natural protein sources and rumen protected amino acids designed to deliver a specific amount of essential amino acids to the ruminant animal's tissue level. Approximately one-half of the amino acids in *Jacoby's Bypass* escape ruminal breakdown and are available for intestinal absorption resulting in a greater availability of amino acids for muscle growth in growing animals and milk and milk protein synthesis in lactating females. *Jacoby's Bypass* is especially beneficial in young cattle, sheep and goats raised for show purposes as both weight gain and muscle development are accelerated as a result of its incorporation into their feeding programs.



www.JACOBYFEED.COM
325.286.4244