

Farm Forum

Added Simple Sugars May Increase DM Intake, Reduce N Waste

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STATE COLLEGE (Centre Co.) — The use of liquid supplements which are often molasses-based and high in sugar content seem to be increasing in many dairy operations.

Technological advances in the liquid feed industry in recent years have increased the variety in the product lines being marketed to go beyond just a molasses and urea mixture to include products containing fat, ruminally and undegraded protein, as well as various vitamins and minerals and other ingredients.

Processing advances now make it possible to blend many different ingredients together into a variety of products designed to increase dairy feeding options.

While research data on specific new products may be somewhat sparse, there is a fairly good base of research on the effects of molasses and more specifically sugar in dairy rations.

Microbial protein yields have been shown to be directly related to the supply of fermentable carbohydrate in the rumen.

Starch degradation from cereal grains can vary with processing, but sugar (from molasses in liquid supplements) is readily fermented in the rumen.

In some studies, feeding additional sugar (either in the form of cane molasses or as sucrose) increased feed intake, organic

matter digestion, and microbial protein production.

In a recent study in the Journal of Dairy Science, feeding sugar did not improve milk production, but did seem to transiently increase dry matter intake during the first few weeks of lactation.

Using molasses to improve palatability and intake of feeds has been done for many years, and increasing dry matter intake often results in increased milk yields.

In addition to liquid feeds, some non-traditional feed sources such as bakery wastes and candy wastes will provide sugar to the ration. However, excessive amounts of sugar in the rumen may lead to rapid fermentation and a lowering of pH which will be detrimental to rumen function and digestion of nutrients.

Using bakery and candy wastes as sources of sugar will likely also provide fat to the ration, which can increase energy density and may be beneficial as long as total fat levels are in an appropriate range.

Rations which contain high levels of good quality haylage or pasture are highest in ruminally degraded protein and are most likely to benefit from the addition of sugar.

Adding a source of sugar to the ration may result in more of the ruminally degraded protein being utilized resulting in less nitrogen wastage, increased microbial protein production and potentially increased milk yields.

Editor:

Old and long-awaited dreams of a better home are often started only to be halted, never to be completed, simply due to a visit from the tax assessor. In our area this very moment, there is a grandmother and a grandfather, both very honest, very kind, very hard-working individuals and both now living on a fixed retirement income. Today their dream house stands only partially built, solely because of this thing called fair property taxing.

About 18 years ago, with their last child near graduation, they felt they might finally be able to move out of the old run-down farm house and into a new one, but the more they planned and figured, the farther out of reach their new home became. That is until they hit upon the idea of building the house at the rate of a small affordable amount each month. On a month to month basis they felt sure they could complete the house prior to their retirement and throughout the next three years of 1977, 1978, and 1979 they built what they could with their spare time and money. So thrifty were and are these two that they had even used a substantial amount of salvaged shipping 2 by 4's, salvaged boards, and economy or seconds 2 by 4's for the interior partitions. In 1979, while feeling rather proud of what they had accomplished thus far, the tax assessor paid them another of his numerous visits. With the house roughly one-third completed, please note the roughly one-third completed, the tax assessor gave these two honest, hard working, and ingenious individuals a real rewarding slap in the face by arrogantly stating, "Of course you realize that you have exceeded your legal allotted construction period. By law you must now be taxed at 80 percent of the estimated totally completed value of this house." Naturally this just flabbergasted these two industrious individuals to no end. How could any supposedly fair and equal taxing law be so totally unfair and just downright dishon-

est in the eyes of both man and God?

Once again this thing they call fair taxing, once again this property taxing system raised another of its many ugly heads. Apparently the noncompassionate, noncaring and impatient school district just couldn't wait a few more years to place their hands deeper into the pockets of these two individuals. Due to the impatience of the county, the impatience of the school district and the additional property taxes, these two individuals no longer had the extra money each month to purchase any additional construction materials. What would have been spent for materials, now has to be set aside just to pay the additional property taxes. For the last 14 years or more the dream house has remained as it was on the day of the tax assessor's visit. The exterior looks almost finished, but step inside and you see only open studded partitions. Not one square inch of finished surface exists within the four walls of this would-be dream house. No matter where you choose to stand within this house, upon looking upward, you will see only the underside of the exterior roof. Stand in any room and look left, look right, look forward, and look to the rear, you can see each and every outside wall and corner of the house. The ugly and unfair property taxing system stopped this house stone cold dead.

No taxing system should punish and thwart the ingenuity, skill and progress of honest hard working individuals!

No taxing system should be an annual punishment by taxation for any improvements made to one's property, whether for comfort or convenience!

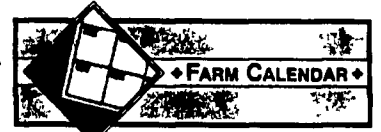
An expert carpenter would be hard pressed to find enough house here to classify as one-third completed and definitely not 80 percent. The unfairness, the cruelty, the insensitivity, the destructiveness, the regressiveness, the downright rotten use of this thing they call fair property taxing has abso-

lutely no legitimate or moral reason for being used in this day and age. If the true story of these two grandparents isn't enough to demonstrate the urgency of dumping this inhumane taxing system, our society has really and truly become a nation controlled by the wealthy and totally self-serving elite.

Come on, let's all get wiser, more compassionate, more considerate, and less demanding of what others have struggled to earn and build. Let us all finally arrive at the only true, fair, honest and just means of raising revenues for the education of our children. Let us all agree to completely dump any and all unequal pain taxing of properties of any type, business or private, and strictly and solely use a tax that causes equal taxing pain at all levels of income.

Neither the sales tax nor the property tax is a tax of fairness or of equal pain. The wealthy individual, absolutely does not feel any taxing pain from either the property tax or the sales tax. The low or fixed income individual, absolutely receives severe taxing pain from both. The only equally fair and equally painful taxing system is the taxing of all income with allowance made for low income and/or disabilities.

Terry L. Shoemaker
Mapleton Depot



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Berks/Lehigh Valley Milking Schools, Kutztown National Guard Armory, 9:45 a.m.-3 p.m., also Dec. 21.

Friday, December 15
Pesticide collection, Arendtsville fairgrounds, 8 a.m.-noon.

Saturday, December 16

Sunday, December 17

Monday, December 18

"Nuisance Concerns With American Agriculture In the Community: The Case of Odors," Yoder's Restaurant, New Holland, 9 a.m.-3:45 p.m.

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