

Attica Veterinary Associates

July 2020



It is with heavy hearts that the AVA family has to say goodbye to a long-time friend and co-worker, Dr. Sam Leadley. Sam passed away on July 2nd, after battling cancer for several months. As many of you know, Sam was a staple at Attica Vet for his calf and heifer expertise. He began specializing in calf and heifer management back in 1988, and ever since his reputation has flourished. Sam was one of the most recognized names in the calf and heifer industry, not only in the United States, but also around the world. Dr. Leadley has consulted on numerous operations in Asia, Europe, and both North and South America.

We were extremely blessed to have Dr. Leadley working at AVA for all of these years. Sam would write a monthly calf management newsletter, a blog: "Calves with Sam", and authored the Calf Facts resource library on the Attica Veterinary website. Sam mentored so many of us a great deal and was always there to answer any questions we had for him.. We will forever be grateful to him for all of his support and assistance over the years. Not to mention, we all cannot begin to count how many times we have referenced his Calf Facts resource library!

Sam, you were an incredible man and you will be greatly missed. We can speak for everyone when we say you have made such an impact not only in our community, but literally around the world. Thank you for everything you have done and may you rest in peace.

He was born February 19, 1935 in Batavia, a son of the late Edward Mockford and Pauline Martin Leadley. Sam is survived by his loving wife of 64 years, Esther Guthrie Leadley; his four sons, Scott, Paul, Peter, and Jack and their families; his sister, Jane Dolan; and many dear friends. He was predeceased by his brothers, Edward, Paul, and John.

Services will be announced at a later date. The courtesy of no flowers is requested with memorials suggested to The LeRoy Historical Society's education fund, P.O. Box 176, LeRoy, NY 14482, or, ACORNS, P.O. Box 787, Stafford, NY 14143.

In Sam's memory, if anyone has any personal anecdotes of experiences with Sam, please feel free to send to the clinic. We would love to read them and we hope to pass on these memories to his family.

Sam's many articles and resources will be kept available on our website for all to utilize and share. If you were currently working with Sam please feel free to contact us if you have any questions or concerns, we would be happy to address them.

Water for Calves in July – One of our favorite articles written by Sam Leadley

We know that water intake in calves depends on how much milk or milk replacer consumed, amount of starter intake and environmental temperature. Calves need more water to drink as the temperature goes up. Research reported in CalfNote#68 (available at calfnote.com) shows these changes (for calves eating 2.2 lbs of starter and 4 quarts of milk replacer daily). On one hand, the 18-degree change from 32 to 50 degrees only increased water intake by 0.4 quarts daily. On the other hand, a small 9 degree change from 86 to 95 degrees accounted for an increase of 0.5 quarts. Small increases at higher temperatures meant drastically greater increases in water needs.

For calves near weaning or already weaned that still live in individual pens, using a larger water pail may be a practical way to avoid having to provide more water than once a day. Consider fastening a 5-gallon pail to the hutch or pen for the last week or two before the calves leave for the transition housing.

Clean Pails Equal Higher Water Intake

In addition to making sure that the calves have enough water to drink, our special summer challenge is to keep the water pails clean. If you are using a different pail for feeding milk and water, keeping the water pail clean may affect water intake rates.

Research shows this relationship between cleaning water pails and growth. Among preweaned calves these do not seem like big differences. However, consider that 1.6#/day is almost 13 percent greater than 1.4#/day!

Daily Live Weight Gain By Feeding Group By Water Pail Maintenance Protocol

Preweaned	Calves	Weaned	Calves
Cleaned (interval)	Gain (#/day)	Cleaned (interval)	Gain (#/day)
Every day	1.6	Every day	3.1
Once / week	1.5	Once / week	3
Once / 2 weeks	1.4	Once / 2 weeks	2.9

Transition heifers with clean, fresh water in clean tubs continued to gain at a higher rate (0.2#/day higher with daily cleaning compared to every two weeks). We might guess that increased water intake affected rate of gain in 2 ways:

1. First, the calves ate more grain and/or hay.
2. Second, the efficiency of feed conversion was greater in the higher water intake calves than the lower water intake calves.

Therefore, changing water daily and keeping the pail or tub clean is a profitable practice.

FOR SALE

New Holland 258 Hay Rake, best offer – 585-259-9829

Wanted: Heifers to board – call Walt McCormick at 585-314-8580.

Anhydrous Applicator 5 knife, 30 hitch, 200 gal. \$500 – Robert Koithan – 716-807-1965

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