

In Remembrance of Larry McNeff -SarTec Founder

By Clayton McNeff, Ph.D.

My father, Larry Cecil McNeff, was born in O'Neil Nebraska on June 22, 1940 during World War II. He was the eldest son of Cecil and Viola with three brothers, Gale, Ted and Tim. He lived on a farm until the 8th grade at which time his family moved into government housing located on the outskirts of the small town of Genoa, where he was one house away from his future wife, Marie. They dated in high school. His father Cecil owned the local Ace hardware store and Larry worked at the store to help sell items. One time they had a new refrigerator that they could not sell. Larry devised a way to bundle the refrigerator along with a television and it sold immediately. At the Genoa High School Larry was the quarterback of the football team and also played baseball. After graduating high school Larry joined the U.S. Navy and served for two years on the Ranger aircraft carrier as a dental technician. During his first year in the Navy he returned to Genoa to propose to and marry the love of his life, Marie Olive Rocky. They were wed on September 20, 1958 surrounded by family and friends. After the Navy, both Lar-

ry and Marie attended the University of Lincoln Nebraska where Larry obtained a degree in Chemistry and Marie obtained a doctorate in education. Then in 1967 Marie landed a job at Augsburg College in Minneapolis, MN and Larry found employment at Cargill. While at Cargill he developed a number of patented technologies and became an Animal Scientist. On March 6, 1969 they had a son, Clayton and lived in Wayzata, MN. Larry worked at Cargill for 13 years until 1980 at which time he became a national sales representative for International Stock Foods and his family moved to Hopkins, MN. In August, 1983 he and a partner started SarTec Corporation. By 1985 he bought out his partner in SarTec and he became the sole owner. He later founded Marla Properties LLC with his wife, Marie as well as McNeff Research Consultants. In 1996 he helped his son, Clayton McNeff, Steven Rupp and Professor Peter Carr along with, Jim Rupp, to found ZirChrom Separations Inc. Then in 2007 he co-founded Ever Cat Fuels biodiesel and in 2010 co-founded Mcgyan Biodiesel LLC. As of 2022, the McNeff founded compa-



nies employed over 60 people with business interests in several countries. Larry was an inventor or co-inventor on more than 30 patents. He was an avid sportsman and loved spending time outdoors as well as time with his family who adored him. Larry also loved aviation and owned multiple airplanes and loved to travel and see new sights and meet new people. He had a brilliant mind and was bighearted. He was preceded in death by his wife Marie McNeff and his parents Cecil and Viola McNeff. He is survived by his son Clayton, his daughter-in-law Denise and three grandchildren Charles, Alexander and Bridget. Larry lived as life of Servant Leadership to allow others to reach their full potential while leading by example and charting a path to prosperity. All of at SarTec will carry on his legacy with pride and we look forward to working hard to earn your business.

SarBatch™ TMRO

Nutritional Distortion Studies



The variation in the bunk of some of the key nutrients in a finishing TMR was investigated at over 30 different commercial feedlots.

| Nutritional Component | Average Variation | Range of Variation | Units |
|-----------------------|-------------------|--------------------|--------------|
| Moisture | 19.2% | 9.2 - 38.4% | % (As rec'd) |
| Protein, Crude | 70.5% | 33.2 - 107.7% | % (DM basis) |
| ADF | 43.4% | 6.7 - 132.5% | % (DM basis) |
| TDN | 3.6% | 0.9 - 8.1% | % (DM basis) |
| Fat (EE) | 78.7% | 11.5 - 175.4% | % (DM basis) |
| Calcium | 371.7% | 12.2 - 1615.4% | % (DM basis) |
| Phosphorus | 89.8% | 20.0 - 216.0% | % (DM basis) |
| Potassium | 45.5% | 2.4 - 121.7% | % (DM basis) |
| Total Starch | 62.5% | 26.0 - 140.6% | % (DM basis) |

Table 1. Summary of the variation of key TMR nutrients.

Over 30 Commercial Feedyards Tested All Show Variation of Key Nutrients

The variation (or distortion) of some of the key nutrients in a finishing TMR was investigated at over 30 different commercial feedlots. Samples of TMR were taken as it was dropped into the bunk and gently screened at the feedyard to simulate sorting (pictured below in Figure 1). The three fractions of TMR were sent to SDK Laboratories (Hutchinson, KS) and analyzed



Figure 1. Finishing TMR was screened to show the effects of sorting in the

Produce a *more consistent* ration with SarTec’s TMRO system!

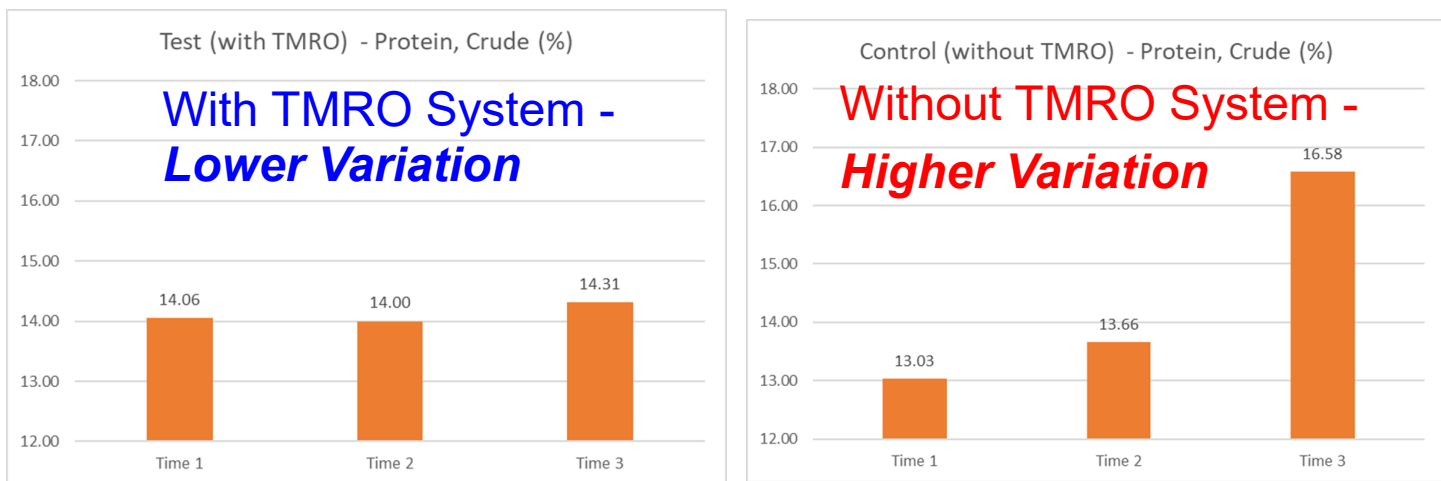


Figure 2. Example: The percent protein in the bunk at 3 different times during a typical feeding period with (left) and without (right) SarTec Corporation’s patented TMRO system.



On You Tube, search for *SarTec Corporation* to learn more about other SarTec products and services.



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SarBatch™ TMR Optimizer Benefits

- Automatic addition of multiple SarTec products directly to the TMR (complete RSF program - including auto-drenches).
- Ability to control moisture for accurate inventory control.
- Improved TMR consistency and optimal TMR component distribution.
- Controls sorting, reduces TMR fines and reduces energy loss due to methane emissions.
- Fully automatic.
- Small footprint.
- Formulated with yucca extracts University verified feed benefits—less methane...more beef.
- Archived and real-time data access via the **SarTec®** App.

SarTec Featured Employee:

Dr. Sandra Nordlie

In November 2022, Sandra rejoined SarTec as a Senior Research Scientist after completing her PhD in Cell and Molecular Biology at Arizona State University. Growing up in Stockholm, Sweden, sports were an everyday family affair. Sandra and her two older brothers played every team sport available to them with their parents driving them to games all over Stockholm and cheering them on. Fairly early on Sandra decided to focus on ice hockey, which brought her to Augsburg College in Minnesota to play Div 3 and double major in biology and chemistry. After college, Sandra joined SarTec in 2013 where she had a wonderful time working with the fantastic SarTec team and developing professionally. Sandra is enjoying being back at SarTec again contributing where she can to day-to-day operations and performing the important work of analyzing total mixed rations and monensin in the SarTec research lab to support our customers. Sandra is proud to share that she became a US citizen in October 2023. In her free time, she and her husband John enjoy traveling and biking in beautiful Minnesota.



SarTec® Corporation is a family owned and operated business located in Anoka, MN. Established in 1983, our mission is to provide high quality, natural products and service to the agricultural industry. From our equipment to our products to our personnel, we have a number of ways to help you best reach your goals. **SarTec** now offers different types of **SarStart Dry (DSC)** and **SarStart Liquid (LSC)** additives. These products are customized to fit your feeding needs and allow you to pay for only what you need. Please visit us on the web at sartec.com or call 800-472-7832 or email support@sartec.com for additional information.

SarTec®


**God Bless
 America**