



Potassium for productivity.

PROVIDE COWS THE POTASSIUM (K) THEY NEED TO MITIGATE HEAT STRESS AND BOOST MILK FAT FOR OPTIMUM PRODUCTIVITY.

- **Raises DCAD:** DCAD Plus™ increases ration dietary cation-anion difference (DCAD) as it does not contain the chloride ion—which counteracts the K cation—often found in other K sources
- **Combats heat stress:** DCAD Plus replaces the K lost during hot weather without adverse reaction to moisture and with minimal heating of the ration
- **Boosts butterfat:** Feeding DCAD has been shown to positively influence butterfat production

ECONOMICS

Feeding DCAD Plus is one practice proven to increase milk component production—even slight increases can translate to significant improvements in profits

ASSUMPTIONS

- Price of milk fat: \$1.56/lb.
- Price of milk protein: \$2.80/lb.
- Price of other solids: \$0.10/lb.
- Cows were fed .33 lbs. DCAD Plus/cow/day/305-day lactation at a price of \$1.00/lb.
- Increased DMI of 1.5 lbs./cow/day at a marginal feed cost of \$0.05/lb. of TMR DM

FEEDING RATES

- ✓ Achieve a DCAD range of +35 to +45 meq/100g dry matter for high-producing cows.
- ✓ Add DCAD Plus to a ration to achieve a dietary K level of at least 1.7% of the total DM during nonheat stress periods, and to at least 2.0% just prior to and during heat stress periods.

MILK FAT IMPROVEMENTS INCREASE PROFITABILITY

	Herd historical	DCAD Plus	The DCAD Plus difference
	Cow/day		1,000-cow herd/305-day lactation
Milk production (lbs.)	83.0	84.0	305,000 lbs. of milk
Milk fat (%)	3.2%	3.6%	112,240 lbs. of milk fat
Milk protein (%)	3.0%	3.0%	
Other solids (%)	5.0%	5.0%	
Fat income, \$ (fat lbs. * price)	\$4.14	\$4.72	
Protein income, \$ (protein lbs. * price)	\$6.97	\$7.06	
Other solids income, \$ (solids lbs. * price)	\$0.42	\$0.42	
Milk income (fat + protein + other)	\$11.53	\$12.20	
ADDITIONAL INCOME WITH DCAD PLUS		\$0.67	

	Additional income	DCAD Plus cost	Increased DMI	Increased IOFC potential
Cow/day	\$0.67	(\$0.33)	(\$0.075)	\$0.265
1,000-cow herd/305d	\$204,350	(\$100,650)	(\$22,875)	\$80,825



To learn more about DCAD Plus contact your nutritionist, veterinarian or ARM & HAMMER™ representative or visit AHfoodchain.com.