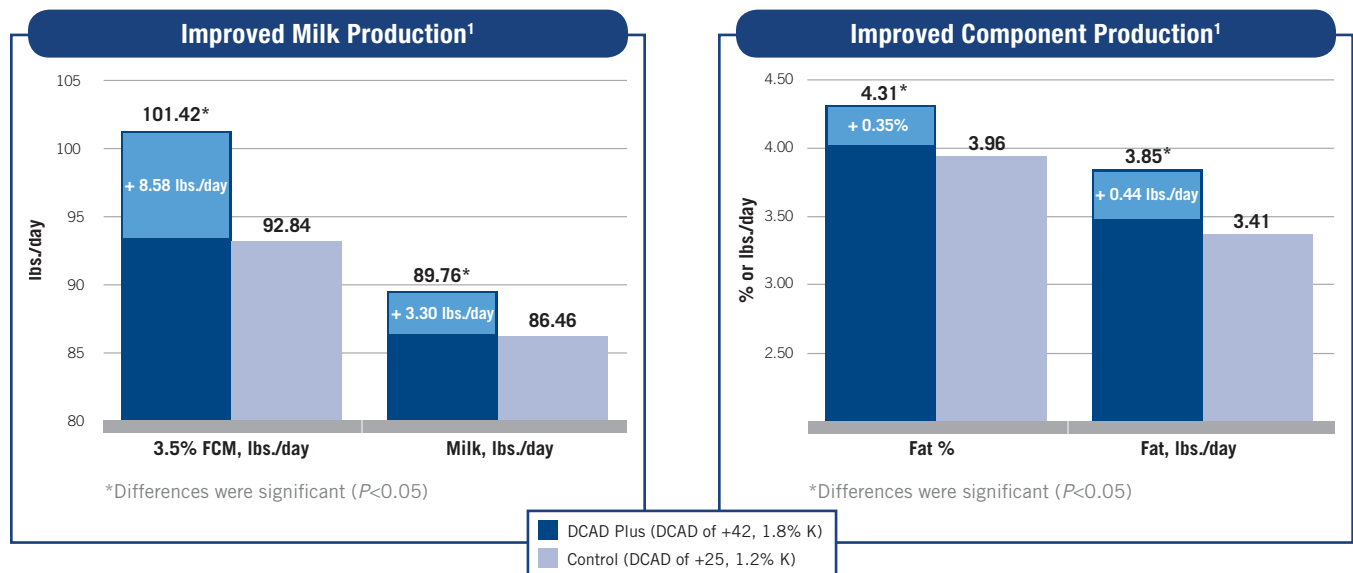


# Increase Milk and Component Production with DCAD Plus

DCAD Plus® Feed Grade Potassium Carbonate boosts ration potassium to help improve milk and component production.

Research<sup>1</sup> shows cows fed DCAD Plus experienced:

- +8.58 lbs. increase in fat-corrected milk (FCM) per day
- +3.30 lbs. improvement in milk per day
- +0.44 lbs. jump in butterfat per day



## Milk Fat Depression Explored

A common culprit for milk fat depression is free fatty acids in corn byproducts like DDGS, gluten and hominy. These byproducts play an important role in the ration, but can deliver variable amounts of free fatty acids that quickly contribute to milk fat depression. Ingredients like cottonseed and other oilseeds, combined with increasing dietary starch and other fermentable feeds, will also contribute to this problem.

Feeding DCAD Plus can positively influence butterfat production and allow you to feed cost-effective byproducts while maximizing milk fat production.

# On-Farm Improvements with DCAD Plus

Feeding DCAD Plus® can translate to greater milk fat production and IOFC. The sample calculation below details the potential financial benefits that can be realized when milk fat levels are boosted.

Milk Fat Improvements Increase Profitability			
	Base Production Levels	Production Levels with DCAD Plus	The DCAD Plus Difference
	Cow/Day		100-cow herd/ 305-day lactation
Milk Production (lbs.)	90	90	
Milk Fat (%)	3.2%	3.8%	16,470 lbs. of milk fat
Milk Protein (%)	3.0%	3.0%	
Other Solids (%)	5.0%	5.0%	
Fat, \$/cwt <sup>2</sup> (fat % * fat price)	\$6.61	\$7.85	
Protein, \$/cwt <sup>2</sup> (protein % * protein price)	\$6.91	\$6.91	
Other Solids Pricing <sup>2</sup> (solids % * solids price)	\$1.04	\$1.04	
Milk Price/cwt (fat + protein + other )	\$14.56	\$15.80	
Milk Income ((\$/cwt)/100 * milk production)	\$13.10	\$14.22	
<b>Additional Income with DCAD Plus</b>		<b>\$1.12</b>	<b>\$34,160.00</b>

Improved IOFC				
	Additional Income	DCAD Plus Cost <sup>3</sup>	Increased DMI <sup>4</sup>	Increased IOFC Potential
Cow/Day	\$1.12	(\$0.20)	(\$0.06)	\$0.86
100-cow herd/305-day lactation	\$34,160.00	(\$6,100.00)	(\$1,830.00)	<b>\$26,230.00</b>

## Feeding Recommendations

Work with your nutritionist to deliver potassium to the ration at a minimum of 1.7% dry matter, with a goal of reaching a ration DCAD of +35 to +45 in lactating rations.

To learn more about how DCAD Plus can improve your herd's performance, contact your nutritionist or ARM & HAMMER® representative, visit [AHDairy.com](http://AHDairy.com) or [PeakReportOnline.com](http://PeakReportOnline.com) or call 800-526-3563.

**DCAD Plus**  
The Plus Forage Needs®

- White R, Harrison J, Kincaid R, Block E, St-Pierre N. Effectiveness of potassium bicarbonate to increase dietary cation-anion difference in early lactation cows. *J Anim Sci* Vol. 86, E-Suppl. *2/J Dairy Sci* 2008;91:Abstr. 106.
- Prices taken from [milkpay.com](http://milkpay.com) on March 30, 2011; Fat - \$2.2967/lb, Protein - \$2.5586/lb, Other solids - \$0.231/lb
- Assumed .25 lbs DCAD Plus/cow/day/305-day lactation at a price of \$0.80/lb.
- Assumed increased DMI of 1.5 lbs/cow/day at a marginal feed cost of \$0.04 /lb of TMR DM.

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