

## LACTAID® ASKHAM BRYAN COLLEGE, YORK STUDY



TRIALS WERE PERFORMED BY  
ASKHAM BRYAN COLLEGE, YORK.

### OBJECTIVE

The aim of the trial was to assess the impact of feeding Lactaid on dairy cow milk yield, butterfat and protein.

### METHODOLOGY

- Lactaid was introduced to the all year calving Holstein herd in the Total Mix Ration comprising of grass and maize silage.
- Lactaid was fed at a recommended rate of 50gms per cow per day over a 64 day period.

### ASSESSMENT

Milk yield, butterfat and protein were measured at the start of the trial and then again at 64 days. Milk yield, butterfat and protein were again measured 2 weeks after the 64 day trial period and again when use of Lactaid was resumed.

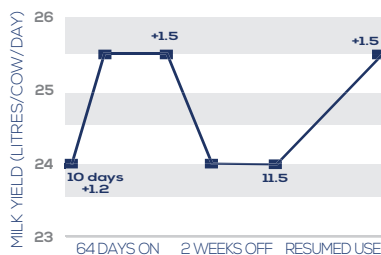
### TRIAL CONCLUSIONS

- MILK YIELD WITHIN THE FIRST 10 DAYS INCREASED BY 1.2 LITRES PER COW PER DAY.
- BY THE END OF THE TRIAL, MILK YIELD INCREASED BY 1.5 LITRES PER COW PER DAY, ALONG WITH BUTTERFAT UP 0.5% AND PROTEIN 0.1%.
- AVERAGE BUTTERFAT INCREASED FROM 3.8% TO 4.3%.
- AVERAGE PROTEIN INCREASED FROM 3.3% TO 3.4%.
- DUNG CONSISTENCY IMPROVED WITHIN DAYS OF INTRODUCING LACTAID AND THERE WERE FEWER WHOLE MAIZE GRAINS SEEN.

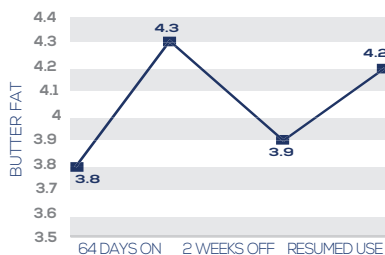
AS PART OF THE EVALUATION, ONCE THE TRIAL PERIOD WAS COMPLETE, MR REILLY, HERD MANAGER AT ASKHAM BRYAN COLLEGE TOOK THE CONSCIOUS DECISION TO REMOVE LACTAID FROM THE TMR AND YIELDS DIPPED IMMEDIATELY TO EXACTLY THE FORMER LEVELS AS SHOWN IN FIGURES 1, 2 AND 3.

LACTAID WAS SUBSEQUENTLY REINTRODUCED AS A PERMANENT SUPPLEMENT AND OVER A 12 MONTHS PERIOD LACTAID HELPED TO INCREASE YIELD BY MORE THAN 1,200 LITRES TO THE 9,959 LITRES AVERAGE.

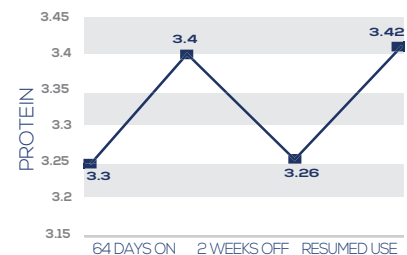
THE EFFECT OF LACTAID® ON MILK YIELD



THE EFFECT OF LACTAID® ON BUTTER FAT



THE EFFECT OF LACTAID® ON PROTEIN



THE EFFECT OF LACTAID® ON RUMEN PH

