Festive Feasting!

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Have you ordered your Christmas turkey yet? Sprouts been on since September? Christmas pudding gently soaking in a good brandy? As you sit down to your festive feast, spare a thought for your dairy calves and how much they’ll get to eat and drink this Christmas!

One of our focuses this year has been on so-called ‘accelerated feeding’ in calves. Conventional practice has been to feed calves 10% of their body weight, i.e. approximately 4L per day, split over two feeds, but calves will drink far more than this (sometimes more than twice as much) when given the choice, and gain extra weight accordingly (see graphs). The extra milk intake can reduce concentrate and forage intake before weaning, but this shouldn’t be used as an excuse, since the differences disappear after weaning and the early weight gains are maintained. We know that there are correlations between increased weaning weights and reduced ages at first service and first calving.

10% body weight for today’s calves is really not enough, even for - especially for! - the very young. Aim for at least 6L whole milk, or at least 900g milk powder, per day, split over two feeds, for at least the first 3 weeks of life. Weight gains in the first 8 weeks of life should be reaching at least 800g per day.

Give your calves a white Christmas this year. Give them more milk.

Age at first calving has long-term effects on heifers’ lactations and reproductive performance. In the UK, the current average age at 1st calving is 28.8 months. The recommended age for first calving, however, is 24 months - this gives optimal milk yields, better conception rates and less mastitis. Younger heifers will have a reduced milk yield, poorer conception rates and a shorter lifespan. Older heifers may have poorer fertility. Every day that the age at 1st calving extends beyond 24 months costs £2.87, meaning that the average farm spends an extra £413.28 before their heifers are giving anything back.

However, age is not everything! A heifer must be big enough at calving, and in Holsteins this means calving in at around 560kg. To calve down at 24 months heifers need to be in calf at 15 months, and to achieve this your heifers must have a good start in life and be fed sensibly to maximise growth. Every farm will have a few smaller animals that, even when 15 months old, are not big enough to be served. These smaller animals will need to be served later to allow them to grow, which means they are behind before they have even started.

Many farms weigh their heifers regularly, others will use other techniques such as marks on the wall. Whatever method is used, it is important to keep track of heifer growth rates. If they are monitored it is possible to make sure you hit the targets and adjust management where necessary.

In the words of Goldilocks, we want a heifer that is not too small, not too young, but just right!