



Hunua School
Strive For Success

HUNUA SCHOOL AGRICULTURAL DAY GUIDE TO REARING YOUR CALF

Calves must be born between 1st June - 31st July, hand reared and in the child's care by 14 days old. Bull calves are NOT permitted as entries on Ag Day.

Calves are best sourced from a local farmer. Buy a healthy calf that is at least 4 days old that has been well fed on colostrum. Look for small dry navels, pricked up ears, firm faeces, clear eyes, moist noses, shiny coats (breed dependent), firm teeth and playful movements. Colostrum can be purchased from a vet and can be kept frozen.

If a bull calf is chosen, he should be rung with a rubber ring within the first 3 weeks to become a steer, otherwise he may become aggressive as he reaches maturity. Ensure both testicles are down before releasing the ring when you ring the calf. Bull calves are not permitted for Ag Day.

Choosing a calf breed:

Dairy: (Milking breed) e.g. Friesian, Jersey, Ayrshire or a cross. It must be a heifer (girl) for the dairy section.

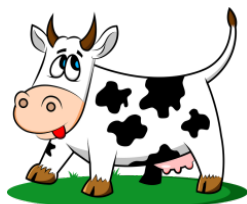
Beef: Breeds of Hereford, Angus, Murray Grey, Simmental etc. or their crosses. A beef calf can be either a heifer (girl) or steer (boy).

Exotic: Breed of Charolais, Limousin, etc.

Take note of your calf's date of birth as it is required for the entry form. The calf **MUST** be hand reared and in the child's care within 14 days of its birth.

Approximate Rearing Guide

- 2-3 X 10 kg bags of Milk Powder.
- Calf teats are available that attach to a coke bottle, or alternatively a complete re-usable bottle and teat or calf feeder that hangs on a fence can be purchased.
- Pellets or meal (from 1 week).
- Halter and lead.
- Brush.
- Drench.
- Vaccine.
- Cover.



Feeding

- Decide what milk powder you are going to use and don't change it. Mix the milk as per the instructions on the packet, be accurate and weigh the correct amount of powder.
- Feed a newly-arrived calf **electrolytes only for the first 12 hours** after arrival. This can help prevent stomach upsets from stress and change of milk feed (e.g. cows milk to milk powder).
- Various calf milk powders are available from farming outlet stores that will meet the needs of your calf. (Profarm in Papakura, Pet and Paddock in Clevedon, Wrightsons, RD1, or Farmlands in Pukekohe).
- Choose a brand that contains an **anti-coccidial** and avoid the cheaper brands as they can potentially provide fewer nutrients, which will affect the growth of your calf. Mixing and feeding instructions are clearly written on the bag.
- Once your calf is drinking well, feed at the upper limits of the recommendation so it grows well. For best results, feed your calf twice a day until Ag Day.
- Supplement the milk with calf meal from a young age to encourage rumen development. Chaffage or hay can also be offered and ensure your calf has access to fresh, clean water every day.
- Allow it to graze on reasonably long grass everyday once it is over two weeks of age.

Amounts to Feed

Calf Milk	Body Weight	Approximate Amount
At least 4 litres colostrum during the first day (pref. during the first 6 hours) for all calves	30 kg	3.8 litres per day
Jersey: 2 litres 2 x per day	40 kg	4.2 litres per day
Friesian: 2-4 litres 2 x per day	50 kg	4.6 litres per day
	60 kg	5.0 litres per day

Scours (diarrhoea)

Prevention

- Ensure the calf has had 2 litres of colostrum within 6 hours of birth.
- Minimise stress and chilling during sale and transport.
- House in a dry, draught-free, hygienic shed.
- Avoid sudden changes in the type, quantity or temperature of milk or milk powder.
- After significant transport, feed electrolytes only for the first 12 hours.

Treatment

- The vast majority of calf scours are nutritional, viral or protozoal in origin and antibiotics are not needed. However, in calves with blood in the scour, where there is severe depression, or in scouring calves less than 5 days old, antibiotics may be needed. In these cases, a consultation with your vet will be required.

Day One

- Stop feeding it milk and keep it off milk for 24 hours.
- Feed it two litres of electrolyte mix, three times daily and keep it hydrated. Electrolyte mix is available in small pack sizes from your local farm store or vet and are always good to have on hand when rearing an Ag Day animal.
- Keep it in a clean, dry, draught-free environment and keep warm (put a calf cover on if available).

Day Two

- If calf is still scouring after 24 hours, alternate feeding electrolytes at one feed and milk at the next until scouring resolves, at which point stop electrolytes.
- **Do not mix milk and electrolytes together in one feed.**
- If your calf stops suckling, it is seriously ill - consult your vet immediately.

Vaccination and Drenching

Your calf should be vaccinated with a 5-in-1 vaccine at six weeks of age and then given a booster shot at 12 weeks. This vaccine prevents Pulpy kidney disease, tetanus, black disease, malignant oedema and blackleg.

Drench for worms from 6-8 weeks old, unless otherwise advised by your vet. Pour-ons (down back bone - from base of neck to top of tail) are the easiest method. Other options are oral or injected. If applying pour-on, it is best to sit the calf on its tail and apply from the brisket to the groin to avoid the risk of hair loss or coat damage.

Naval Infections

This occurs in early days, infections can enter the umbilical cord when it has not dried. This will cause swollen joints and your calf will have trouble getting up and be listless. You can dip the cord in Iodine to prevent this. In severe cases the calf will need antibiotics. Keep your calf in a clean environment.

Lice Control

Lice are a common problem. The pour-on drenches also control lice, but it is necessary to brush the lice eggs from the coat. Keep infected calves and gear away from other calves.

Housing Requirements

A good clean, dry, and draught-free environment is required for optimum health. A bed of straw is ideal. A cover, even used only at night will assist your calf's growth as it will not be using energy to keep warm. The cover will also keep the coat shiny and clean.

Daily Care

- Regular feeding (twice daily for best growth)
- Wash its face to remove any milk residue
- Walk it on a halter and lead and spend time with it
- Brush it at least once a day

Ear Tag Requirements

- Your calf **MUST** be tagged with NAIT approved radio frequency identification device (RFID) tag.
- Newborn animals must be tagged with the NAIT approved tag within six months of birth, or before they are moved to a location with a different NAIT number, whichever is sooner.
- All calves must be TB tagged and have TB forms completed when leaving the home farm.

De-horning

Certain cattle breeds will grow horns. These can be dealt with quite easily and inexpensively when the calf is young. A vet will come to your home and de-horn your calf using a hot electric torch to burn off the horn stubs. This is humane, quick and effective.

Alternatively, there are de-horning pastes available from farming outlet stores or vets that need to be applied regularly over a period of time to remove the horn bud.

Points to Remember

- Ensure long hair under its tail is kept clean (no dags).
- Do not clip or shave your calf (a clipped calf is disqualified as it is an animal welfare issue).
- Brush your calf often to get a nice shiny finish on the coat and remove loose hair.
- Ensure the halter is loosened regularly or removed so it is not too tight otherwise it will wear the hair off around its neck.

Judging

Generally ribbons are allocated in three age groups - Junior, Intermediate and Senior; then overall winner in the following categories.

- **Rearing** - and condition of the calf. The DOB of the calf and breed will be taken into account in assessing growth. An under-condition or unhealthy calf will be penalised. The judge is looking for a sleek and well-groomed appearance of coat and good skin condition - to harsh or dry, or tight.
- **Leading** - Your calf needs to walk through the course without dragging or pushing, elbowing, slapping or using the lead to slap, releasing the grip on the lead with the right hand or jerking the halter.

- **Type Breed** - the calf will be judged for its purpose - either dairy or beef. No calf shall lose points if it has more than four teats - this is to apply only in child effort classes. However, this is not acceptable in dairy type classes.

To Practice Leading

Your calf needs to get used to you so talk to it often even while leading. A halter and lead is required. Teach to lead before a feed, the calf must be on your right hand side, hold the lead about 10-30 cm from the halter palm facing upwards and pass the lead across your body and also in your left hand with knuckles upwards, there should be 30-40 cm of tail end hanging straight from the left hand, no coils or loops around your hand as this is very dangerous if the calf runs off, you could be dragged. Start gradually, once a day and increase as the calf get more willing to walk alongside.

Tying the calf up for short periods and while grooming helps them get used to their halter. If your calf is stubborn and won't walk, push on the calf tail top and release as soon as it starts to walk. Patience is required but if you stick at it, you will get results. Ask someone to help you. Set up a practice course at home. When competing you will be marked down if you jerk the halter, slap or push the calf with your body. The halter is your steering wheel, accelerator and brake so good habits from the beginning are important.

Tips for Success

- You should always feed the calf (Mum and Dad can assist younger children if required).
- Give your calf a treat when leading. Use the pellets or they often like bread (save the crusts and stale bread). Even a hug, pat and a few kind words help.
- Spend LOTS of time with your calf so you build a bond with it.
- Set a course up at home and walk your calf daily. Make sure you include a small fence post or piece of wood so that the calf gets used to stepping over it. They mustn't touch the wood.
- When leading, the right hand should grip the lead, palm upwards and be 15 cm from the halter. The left hand should grip the lead, knuckles upwards. Always stand beside the left shoulder of the calf. Try to keep the calf moving at a reasonable pace, but you should walk at the same pace as your calf.
- Don't forget to take it's food and water requirements for the day.
- Wash your calf on or before Ag Day and take a bucket, brushes, an old towel to clean it if it is dirty when you arrive.

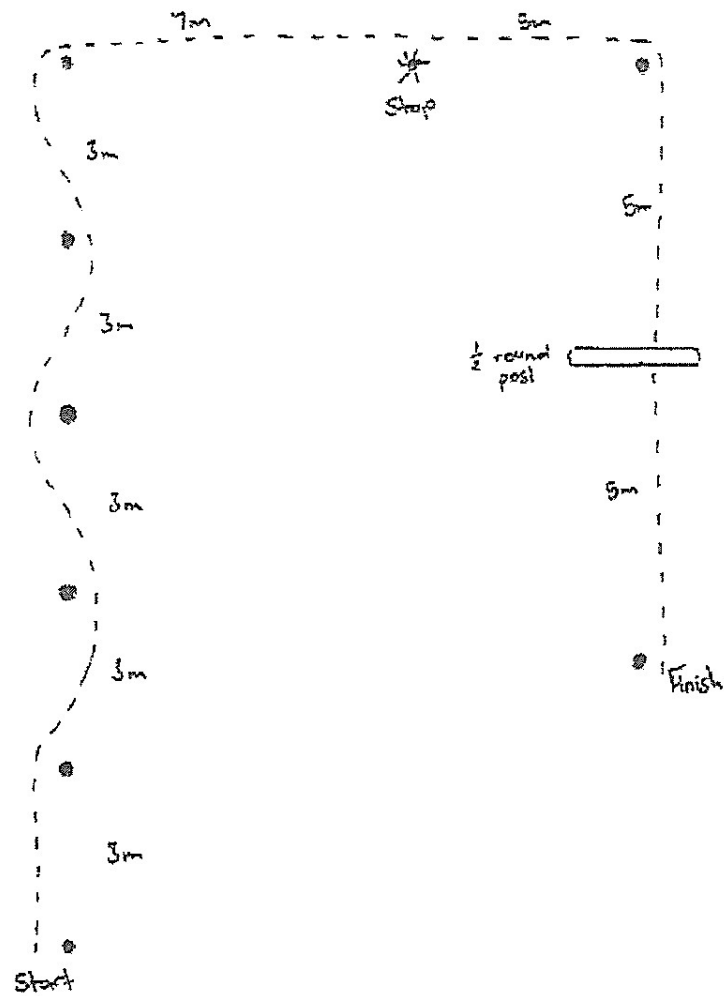
After Ag Day

The calf can be weaned at 10-12 weeks of age. This means stopping one feed a day for a few days then top all milk feeds. Give hay and meal to help the weaning process and not to stress the calf too much.

IF YOU HAVE ANY CONCERNS ABOUT THE HEALTH OF YOUR CALF, PLEASE CONTACT FRANKLIN VETS. THEY ARE HAPPY TO GIVE ADVICE OVER THE PHONE ON WHETHER AN ANIMAL REQUIRES TREATMENT. DON'T LEAVE IT TOO LATE!

Checkout the website www.calfclub.co.nz for more information.

CALF LEADING COURSE



Get your NAIT basics sorted...



Tag

- Tag cattle and deer with a NAIT approved RFID tag before they are six months old, or before their first off farm movement
- Cattle born before 1 July 2012 and deer born before 1 March 2013 have a three year grace period in which to be tagged, unless they are being moved off farm
- White tags are for cattle and orange tags are for deer



Register

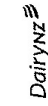
- Register your animals in the NAIT system within one week of being tagged
- Registration links individual animals to tags in the NAIT system so they can be traced



Record and confirm

- Sending cattle or deer off farm? Record the movement within 48 hours
- Receiving cattle or deer? Confirm the movement within 48 hours
- Sending animals to a NAIT accredited sale yard or meat processor? They will record the sending movement for you
- Receiving animals from a NAIT accredited sale yard? Confirm the movement

To find out more go to www.nait.co.nz or call NAIT on 0800 624 843



The NAIT scheme is mandatory from 1 July 2012 for cattle and 1 March 2013 for deer. This brochure is for people who have registered with NAIT. It outlines NAIT scheme requirements for people in charge of animals and how to meet them.

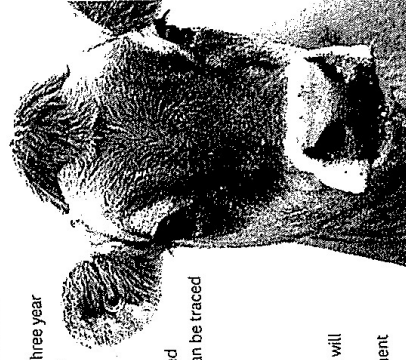
To find out more about NAIT, or for a list of accredited information providers who can help you to meet your obligations under the NAIT scheme, visit www.nait.co.nz

Tagging

Under the NAIT scheme animals are traced using NAIT-approved RFID (Radio Frequency Identification Device) tags.

Requirements

- Newborn animals must be tagged with a NAIT-approved RFID tag within 180 days of birth or before they are moved to a location with a different NAIT number, whichever is sooner
- Existing stock have a three-year grace period to be tagged with NAIT-approved tags, unless they are being moved to a location with a different NAIT number
- Newborn animals should be tagged with birth tags. For existing animals being moved, use traka tags. Purchase white tags for cattle, orange tags for deer
- Animal Health Board (AHB) visual tags will not be required after 1 July 2012 for cattle and after 1 March 2013 for deer.



Franklin Vets Advice Concerning Mycoplasma Bovis

While I cannot tell you what should happen with regard with calf club this year I can give you some information which will hopefully allow those on the calf club committee to make an informed decision.

The 3 options are;

1. Ban calves this year
2. Continue having calves but implement some precautions
3. Continue under a business as normal policy

It should be noted that MPI have not stopped the sale of calves through the Tuakau saleyards which deals with hundreds of calves every week and in my opinion is a much higher risk of spreading M. bovis.

However in saying that I know of some schools within our practice area that have banned calves this year.

The likelihood of M. bovis being in the Bombay catchment area is low/very low but this is not zero.

Some policies that could be implemented would include,

1. all calves must have NAIT tags, be willing to have somebody on the gate to turn calves away
2. no feeding calves milk at the school grounds (milk is high risk for spreading M bovis)
3. each competitor must supply own water bucket, one bucket per calf
4. more rail space to tie up calves to minimise nose-to-nose contact between calves (calf numbers will be down)
5. only feed calves milk powder or milk from farm of origin
6. minimise kids patting calves, which will reduce chances of spread.

Lambs/Goats are no risk and should continue as normal this year, calves are low risk however the situation is changing and there is a chance that by the time September roles around the disease may have been found in the area requiring banning of calves.