



Dairy Shed Stray Voltage Testing

*Something not quite right in your shed?
Production down, cow health problems?
You may have a stray voltage issue in your dairy shed.*

Over 90% of sheds we tested have had stray voltage above acceptable levels.

Common signs of possible stray voltage issues may include:

- Not meeting production targets or goals.
- Poor cow flow into the yard and dairy shed.
- Cows urinating or defecating excessively.
- Mastitis problems.
- Cows not eating all the supplied in-shed feed.

Benefits of sorting stray voltage issues:

- Increased milk production.
- Shorten milking time with improved cow flow.
- Calmer around milkers - reduce cups being knocked off.
- Improved health and safety.
- Reduced clean up time and water required around shed.

Metallic earthing can corrode over time in harsh environments such as dairies, so it's a good idea to check this annually.

North Canterbury: 03 313 6104

Leeston: 03 324 3752



What we do:

Our trained stray voltage specialist will come onsite to make a complete assessment of the dairy shed installation as a whole. This includes a base reading of stray voltage levels.

From there, we will:

- If required, make what repairs are possible whilst onsite.
- Devise a plan to reduce stray voltage around the shed.
- Make required improvements and retest the site to ensure stray voltage levels are at a more tolerable level.
- Deliver stray voltage report, summary of work completed and recommendations for further improvements.

We knew something wasn't quite right in the shed for a number of months. We had a bit of a mastitis problem.

But the biggest issue was with cow flow, cows would go to walk onto the platform and straight away want to back off.

We tried a few other remedies but nothing was solving the problem. We didn't think there was a stray voltage issue but we wanted to get it checked out.

We called Nairn Electrical to complete a stray voltage evaluation. Who found a couple of issues around the shed that needed to be addressed.

Once the repairs were made, there was a really big difference in the shed and how the cows behaved.

The mastitis problem dropped right away and we dropped 40 minutes off our milking time with better cow flow.

MICHAEL SMITH, OXFORD



During calving we noticed the cows were not eating as much as we wanted and our production was down.

They wouldn't eat the meal out of the trough in front of them during milking but would come off the platform and eat the grass. We couldn't get the extra feed into them to bring them up to peak. It was hugely frustrating and cost us production at a crucial time.

We spent weeks talking to people trying to find a solution before our farm consultant suggested stray voltage as a possibility.

The guys from Nairns came in and found the problem pretty quickly. There was an earthing issue with the small dispenser feeding minerals to the meal trough. It had been in the shed for a couple of seasons but earthing in sheds can change.

Within a few days the cows were back eating from the meal troughs and production started picking back up.

I'd recommend getting regular stray voltage testing. It's worth it for your animal health and production.

DUNCAN ANDERSON, ROTHERHAM

Dairy Shed Stray Voltage Check with Nairn Electrical – The Rural Electrical Specialists

Nairn Electrical have been keeping the rural sector running and making farming happen since 1975. With a long track record of on-farm installation, servicing and upgrades, they not only have the electrical expertise, but understand local farms, their history and specific needs. With a 7 day a week breakdown service and a full range of preventative maintenance and productivity solutions they are the rural electrical specialists.



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