

From: [Frances Clement](#)
To: [Wayne Stevens](#)
Cc: [James Kane \(James\)](#); [Ian Barugh - Massey](#)
Subject: FW: Proposals for AW regs
Date: Friday, 3 March 2017 11:53:00 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)
[image003.png](#)
[image004.png](#)

Hi there Wayne

I have replied to your specific questions **in red** below.

Please note your question 4 below - number of persons - does not fully address the impact of the New Zealand pig farming industry, which is quite highly integrated within New Zealand's primary production sector, and draws from / provides inputs to, other sectors.

For example, consider feed. Feed inputs account for a very significant proportion of production costs, perhaps 70%. The majority of feed is locally grown / sourced. As a very broad estimate, the industry requires around 150,000 tonnes of feed annually, 80% of which is grains (say 120,000 tonnes). While some grain is imported the majority is locally grown. NZ production is ~ 10 tonne/hectare. Other locally provided feed sources are blood meal, meat and bone meal, fishmeal, milk powders, legume crops; and also utilisation of commercial food by-products including dairy and bakery by-products.

Pig effluent provides fertiliser for dairy farms.

For any more descriptive and / or specific information you require Ian Barugh NZPork's On-farm Technical Manager is the best contact (see email contact above).

1. How many pig farms are there in NZ (a rough estimate): **around 100 commercial farms. There is also a large number of non-commercial pig owning properties outside of the commercial industry – in the order of 1000's: you could check out FoL and / or Agribase**
2. A broad estimate of the number of pigs on these farms: **Projected kill this year – 640K; 23.5 pigs sold / sow /year equates to around 27K sows; so around 27K x 9 = 243,000 pigs on farm**
3. An estimate of say how big the industry in \$ terms (ie sales of pork to meat works or whatever other measures may exist to show this): **Farmgate value: 640K x 70kg (avge wt) x \$3.60 /kg = \$161 million pa**
4. How many people employed (both directly in the farms etc but also any estimates of around how many people would be working in supporting industries such as stock transport and meat works – but realise that those in these areas would be also working in other meat industries as well)
 - **On-farm: 1 person for each 90 sows (including allowance for feed milling and maintenance) = 300 persons on-farm**
 - **Meat plants: 6 plants, 2 of which are dedicated pig plants including carcass cutting. Estimate would be around 200 persons dedicated to pork.**
 - **Transport: commercial farms send pigs to slaughter house at least 1/week; little pooling due to on-farm biosecurity, though trailer may be used; some farms have own transport. Estimate maybe 25 – 30 persons dedicated to live pigs**

transport; also there is grain / feed supply to farms; removal / spreading of effluent. Perhaps accounting for another 30 persons. Refer general comment above on integration of pig farming within primary production sector.

5. Numbers of indoor farms vs outdoor farms: 40% of New Zealand's commercial sow herd is bred outdoors which is possibly around 25-30 farms. All but around 1% of New Zealand commercial pig herd is **reared indoors**, in some type of housing / shelter.

Regarding imports: As per my earlier email, around 58% of pig meat consumed by New Zealanders is imported, with a very significant amount 'hidden' in processed products (ham, bacon etc) – and then labelled 'made from local and imported ingredients'. Since December 2013 when border standards were relaxed to permit the release into New Zealand of 'consumer ready cuts' of pig meat from selected countries that are PRRS positive, a growing proportion of imported pork is coming from PRRS positive countries and released into New Zealand as consumer ready cuts. This pig meat is largely sourced from countries utilising very intensive systems with lesser or no welfare standards. Refer:

http://www.nzpork.co.nz/images/custom/SP_Gallery/january_2017_main.pdf

Regards

Frances

From: Wayne Stevens [<mailto:Wayne.Stevens@mpi.govt.nz>]

Sent: Friday, 24 February 2017 2:59 p.m.

To: Frances Clement <Frances.Clement@pork.co.nz>

Cc: James Kane (James) <James.Kane@mpi.govt.nz>

Subject: RE: Proposals for AW regs

Hi Frances

One thing I would like to get is some background info on the Pork industry so we can include this in the regulatory impact statement that will go to ministers with whatever package of regs is submitted

Key things it would be good to know

1. How many pig farms are there in NZ (a rough estimate)
2. A broad estimate of the number of pigs on these farms
3. An estimate of say how big the industry in \$ terms (ie sales of pork to meat works or whatever other measures may exist to show this)
4. How many people employed (both directly in the farms etc but also any estimates of around how many people would be working in supporting industries such as stock transport and meat works – but realise that those in these areas would be also working in other meat industries as well)
5. Numbers of indoor farms vs outdoor farms

I think someone mentioned that around half of pork sold in NZ is imported – is this correct?

Quite keen to provide this as background info to Ministers in the regulatory impact statement.

Hope this makes sense – doesn't have to be exact. Just keen to get any other background high-level key factual info that helps create a picture of the industry in NZ

Thanks again for an interesting day on Weds

Wayne

From: Frances Clement [<mailto:Frances.Clement@pork.co.nz>]
Sent: Friday, 24 February 2017 11:52 a.m.
To: James Kane (James) <James.Kane@mpi.govt.nz>; Annie Hindle (Annie or Antoinette) <Antoinette.Hindle@mpi.govt.nz>; Wayne Stevens <Wayne.Stevens@mpi.govt.nz>; Nicki Cross (Nicki Cross) <Nicki.Cross@mpi.govt.nz>
Cc: Ian Carter - Ext <carteri@xtra.co.nz>; Bruce Welch <bruce.welch@xtra.co.nz>; porkanon@xtra.co.nz; Ian Barugh - Massey <i.w.barugh@massey.ac.nz>; Chidgey, Kirsty <K.L.Chidgey@massey.ac.nz>; Chris Trengrove <c.trengrove@xtra.co.nz>; hdvmmee@xtra.co.nz; Jason Palmer <southern.pork@xtra.co.nz>
Subject: Proposals for AW regs

Dear James, Annie, Wayne and Nicki

As per my brief discussion just now with James, we thought it would be useful to note the next steps from Wednesday which was a very useful and enjoyable day thank you.

First of all, I've attached some material:

- A description of indoor farrowing systems (describing the range of characteristics of the modern system, their interaction, and how the total system operates to provide for the welfare of both the sow and her piglets) from Ian Barugh (I will endeavour to provide the u-tube video embedded)
- A presentation from Bruce describing and quantifying the effect of the use of a crate to reduce piglet mortality including by enabling fostering.

If you wish we could arrange a briefing on this material – maybe by teleconf by Ian and Bruce? FYI we had provided this information among other material to the NAWAC working group – any or all of which we could provide to you if required. For those just new to the industry it would be useful to view our industry videos: <http://www.nzpork.co.nz/on-farm-videos>

Secondly, next steps in relation to the various pigs-related proposals for regulations:

- Proposal 1: All animals – electric prodders: MPI to consider consistency with other species, at different points in the supply chain, and other handling aids (in terms of potential to cause harm)
- Proposal 2: All animals – use of goads: accepted
- Proposal 24: Pigs – dry sleeping area: general intent supported, but presenting a challenge in terms of actual wording. MPI to work with Bruce and David for indoor and outdoor system wording. (Also refer NZPork's additional paper, Nov 2016)
- Proposal 25: Pigs – lying space for grower pigs: agreed 'floor area' is appropriate

wording

- Proposal 26: Pigs – dry sow stalls: discussion around clarity of wording. Perhaps rephrase as: *Stalls must not be used for gestating sows*. Definitions required to differentiate between stalls used for gestation and mating or insemination. In terms of compliance, the view is that MPI would accept evidence of a system that illustrates that the use of stalls is only up to one week for mating.
- Proposal 27: Pigs – size of farrowing crates: agreement around wording recommended in NZPork's additional paper, Nov 2016, viz.: **Prohibit keeping a sow in a farrowing crate where the sow cannot avoid touching the top of the crate *with her back*, or touching both sides of the crate simultaneously, or touching the front and the back of the crate simultaneously.** (Note additional words shown in italics).
- Proposal 28: Pigs – provision of manipulable material: industry is not able to achieve this in a manner that is meaningful to the sow within current systems; and farrowing crates are recognised by NAWAC as the best option to provide for the welfare of the sow and her piglets in indoor systems and maintain productivity. While considerable research is being undertaken there is currently no means of meeting the intent of this proposal – which has not been consulted on as a minimum standard in the Code
- Proposals on stock transport: as per our submission and additional paper. (Note thanks indeed for invitation just received to workshop on transport and animal husbandry)
- Husbandry and surgical procedures: as per our submission and additional paper

We agreed that all 'pig specific' proposals amended as above, bar the provision of manipulable material, did not impose an additional regulatory burden on good practice farmers.

As per the workshop our concern remains with the proposal around manipulable material, and the impossibility to achieve the intent of the proposal within current best practice systems; and thus the significant impact on the industry. We will provide the following:

- Information on industry size and composition
- Update of the current science on sows' needs at farrowing time; and update on current research on farrowing systems including manipulable material, particularly via PorkCRC
- Information to feed into an RIS for manipulable material based on options that industry would need to adopt

Some very relevant information has already be supplied to NAWAC; and we will update where required . Do you have access to the NAWAC material including the economic assessment it commissioned?

Could you indicate the time by which you require this additional information please.

Also you'll see all the NZPork team's email addresses included above. All of us would be happy to respond to any questions you have.

Regards

Frances



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