Dear Commission President von der Leyen, Commission Vice President Timmermans and Commissioners Kyriakides and Wojciechowski,

Scientists support an end to caged farming throughout the EU

The scientific argument against cages is clear — European farmed animals live miserable lives confined to small spaces. Many are denied important and basic natural behaviours and what makes a life worth living. Better ways of farming exist, therefore we call on the European Commission to update legislation to reflect what we all know to be true — no farmed animal should suffer in a cage.

We fully support the call by over 1 million people that recently signed the ‘End the Cage Age’ European Citizens’ Initiative, urging the EU to phase out the use of all cages in farming.

In the European Union over 300 million farmed animals are caged. Scientific research shows that cages have inherent severe disadvantages for animal welfare; their use is inconsistent with the Treaty recognition of animals as sentient beings. In each case commercially viable alternatives exist that provide better welfare.

We support a phase out of the following:

‘Enriched’ cages for laying hens: Battery cages are already banned in the EU. EFSA has concluded that in enriched cages “the behavioural repertoire is still restricted compared with birds in non-cage systems”.\(^1\) Hens’ need to perch, forage and dust-bathe cannot be properly fulfilled in enriched cages.\(^2\)\(^3\)\(^4\)\(^5\)

Farrowing crates: These are so narrow that sows cannot even turn round nor can they perform their highly motivated nest-building behaviours.\(^6\) Studies show that piglet mortality in free farrowing pens can be as low as, or lower than, in crates.\(^7\)\(^8\) Satisfactory nest-building behaviour is linked with positive maternal behaviours, reduced crushing, and healthier piglets.\(^9\) In contrast to this, crating sows can lead to prolonged farrowing with associated higher stillborn rates in some cases and to aggressive maternal behaviour.\(^10\)

Sow stalls: The EU restriction on sow stalls still allows them to be used for the first four weeks of the pregnancy. This arises from concerns that mixing sows in early gestation may be detrimental to pregnancy rate and to embryo development and survival. However, a number of studies have found no adverse effects of mixing on reproductive performance, pregnancy rates or embryo survival.\(^11\)\(^12\) The law should be amended to remove the derogation that permits the use of sow stalls during the first four weeks of pregnancy.
Pullets (young hens before they start laying eggs) and layer and broiler breeders: Currently there is no restriction on keeping these birds in barren or enriched cages. The use of both types of cages should be phased out for these birds.

Cages for farmed rabbits: Almost all of the EU’s rabbits are confined in overcrowded barren wire cages in which their movement is severely restricted. There is virtually no opportunity for exercise which can cause weakened bones, whilst wire flooring commonly leads to painful foot and leg sores. Caged rabbits are unable to perform many important natural behaviours such as digging, hiding and foraging. This can lead to immense stress and abnormal behaviours such as repetitive gnawing on the cage.

Cages for quail, ducks and geese: At least 143 million quail are farmed annually in the EU for their meat and eggs. Many are kept in cages where they are unable to perform most of their natural behaviours, including running, dust-bathing and foraging. This suffering is completely unnecessary as barn and free range systems are available.

The use of cages for housing ducks and geese is already unlawful under various Council of Europe Recommendations. Despite this, ducks and geese reared for foie gras are kept in small, barren cages for the last two weeks of their lives while they are force fed. The use of cages should be ended – as should force feeding.

Individual calf pens: The Calves Directive requires calves to be kept in groups from the age of eight weeks but permits them to be kept in individual stalls until that age. Studies show that calves reared in isolation have deficient social skills, difficulties in coping with novel situations, as well as poorer learning abilities. The Directive should be changed to require calves to be housed in groups or pairs once they are separated from their mother, other than when a veterinarian certifies that individual housing is needed for an ill or injured calf.

Some farmers house calves individually believing that this reduces disease risk but research indicates that low levels of disease can be achieved in calves kept in small, stable groups by good management practices including appropriate methods of milk feeding, and good hygiene, ventilation, colostrum practices, diet, and health monitoring.

In conclusion, the scientific evidence indicates strongly that the housing of farmed animals in cages or crates must be ended. We support, and urge, the Commission to issue a decision on the ‘End the Cage Age’ European Citizens’ Initiative which includes a revision to legislation to phase out the use of cages in farming.

Yours sincerely,

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3 Louton et al, 2016. Dust-bathing behavior of laying hens in enriched colony housing systems and an aviary system. 2016 Poultry Science 00:1–10


10 Ibid


14 Ibid