

Animal Welfare and Dairy Cattle Production Systems Checklist

☐ Audit the Program against the following Program requirements:
PROGRAM REQUIREMENTS – OIE's Terrestrial Animal Health Code, Animal Welfare and
Dairy Cattle Production Systems

- (1) Identify animal welfare scheme program documents and sections that address each criterion.
- (2) Explanations and/or comments must be provided to provide enough evidence of conformance or non-conformance, as applicable.

OIE's Terrestrial Animal Health Code, Animal Welfare and Dairy Cattle Production Systems Criteria	Applicant Reference Document	Conform (Yes, No, or N/A)	Objective Evidence/Findings/ Remarks
Criteria for the Welfare of Dairy Cattle			
0.1 Morbidity rate			
Both clinical examination and pathology			
SHOULD be utilized as an indicator of			
disease, injuries and other problems that may			
compromise animal welfare.			
0.2 Mortality and culling rates			
Mortality and culling rates affect the length of			
productive life and, like morbidity rates, may			
be direct or indirect indicators of the animal			
welfare status. Depending on the production			
system, estimates of mortality and culling			
rates can be obtained by analyzing death and			
culling and their temporal and spatial patterns			
of occurrence. Mortality and culling, and their			
causes, SHOULD be recorded regularly, e.g. daily, monthly, annually or with reference to			
key husbandry activities within the production			
cycle.			
1.0 System Design and Management Includi	ng Physical Envir	onment	
1.0.1 When new facilities are planned or	ing i nysicai Envii	Official	
existing facilities are modified, professional			
advice on design in regards to animal welfare			
and health SHOULD be considered.			
Examples of professionals include, but are			
not limited to: farm manager, animal manager,			
trained employee, veterinarian, dairy scientist,			
animal scientist, extension agent, nutritionist,			
structural engineer etc.			
1.1 Thermal Environment			
1.1.1 Heat Stress			
1.1.1.1 Animal handlers SHOULD be aware			
of the risk that heat stress poses to cattle and			
of the thresholds in relation to heat and			
humidity that may require action. Likewise			
the dairy environment and facilities SHOULD			
be utilized to mitigate heat stress (ex. use of			
fans, shade, sprinklers etc.) as appropriate.			

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1.1.1.2 If the risk of heat stress reaches very		
high levels the animal handlers SHOULD		
institute an emergency action plan that gives		
priority to access to additional water and		
could include provision of shade, fans,		
reduction of animal density, and provision of		
cooling systems as appropriate for the local		
conditions.		
1.1.2 Cold Stress		
1.1.2.1 Protection from extreme weather		
conditions SHOULD be provided when these		
conditions are likely to create a serious risk to		
the welfare of cattle, particularly in neonates		
and young cattle and others that are		
physiologically compromised. This could be		
provided by extra bedding and natural or man-		
made shelters.		
1.1.2.2 During extreme cold weather		
conditions, animal handlers SHOULD		
institute an emergency action plan to provide		
cattle with shelter, adequate feed and water.		
1.1.3 Lighting		
1.1.3.1 Housed cattle that do not have		
sufficient access to natural light SHOULD be		
provided with supplementary lighting which		
follows natural periodicity sufficient for their		
health and welfare, to facilitate natural		
behavior patterns and to allow adequate and		
safe inspection of the cattle.		
1.1.3.2 The lighting SHOULD not cause		
discomfort to the animals. Housed dairy cows		
SHOULD be provided with subdued night		
time lighting were appropriate.		
1.1.3.3 Entrance to and exit from restraint		
facilities and their surrounding area SHOULD		
be well lit.		
1.1.4 Air Quality	T	
1.1.4.1 Proper ventilation is important for		
effective heat dissipation in cattle and to		
prevent the build-up of effluent gases (e.g.		
ammonia and hydrogen sulfide), including		
those from manure and dust in the housing		
unit. The ammonia level in enclosed housing		
SHOULD not exceed 25 ppm or be unpleasant		
for humans. Air quality that is unpleasant for		
humans is a useful indicator that air is likely		
to be a problem for cattle. 1.1.5 Noise		
	l	
1.1.5.1 Cattle are adaptable to different levels		
and types of noise. However, exposure of		
cattle to sudden and unexpected noises,		
including from personnel, SHOULD be		
minimized where possible to prevent stress		
and fear reactions.		

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1.1.5.2 Ventilation fans, alarms, feeding		
machinery or other indoor or outdoor		
equipment SHOULD be constructed, placed,		
operated and maintained in a manner that		
minimizes noise.		
1.1.6 Flooring, Bedding, Resting Surfaces a	nd Outdoor Areas	
1.1.6.1 In all production systems cattle need a		
well-drained and comfortable place to rest. All		
cattle in a group SHOULD have sufficient		
space to lie down and rest.		
Examples of sufficient resting and groups of		
animals include, but are not limited to:		
Animal Observations of Hygiene;		
Locomotion; Hock and Knee observations;		
Body Condition. Group: more than one animal		
in a designated area housed together based		
upon size, weight, age, health status or other		
measure determined by manager of the herd.		
1.1.6.2 Particular attention SHOULD be given		
to the provisions for areas used for calving.		
The environment in such areas (e.g. floors,		
bedding, temperature, calving pen and		
hygiene) SHOULD be appropriate to ensure		
the welfare of calving cows and new born		
calves.		
1.1.6.3 In housed systems calving areas		
SHOULD be thoroughly cleaned and provided		
with fresh bedding between each calving.		
Group pens for calving SHOULD be managed		
based on the principle 'all in - all out'. The		
group calving pen SHOULD be thoroughly		
cleaned and provided with fresh bedding		
between each animal group. The time interval		
between first and last calving of cows kept in		
the same group calving pen SHOULD be		
minimized.		
1.1.6.4 Outdoor calving pens SHOULD be		
selected to provide the cow with a clean and		
comfortable environment. If outdoor pens are		
not part of the dairy, then N/A applies.		
1.1.6.5 Floor management in housed		
production systems can have a significant		
impact on cattle welfare. Areas that		
compromise welfare and are not suitable for		
resting (e.g. places with excessive fecal		
accumulation, or wet bedding) SHOULD not		
be included in the determination of the area		
available for cattle to lie down.		
1.1.6.6 Water SHOULD not be allowed to		
pool around troughs and pens.		
Examples to avoid water pooling include, but		
are not limited to: cattle safe drains, slopes,		
pen management such as scrapping (manual		
or mechanical), etc.		

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1.1.6.7 Flooring, bedding, resting surfaces and		
outdoor yards SHOULD be cleaned as		
conditions warrant, to ensure good hygiene,		
comfort and minimize risk of diseases and		
injuries.		
1.1.6.8 In pasture systems, stock SHOULD be		
managed to ensure good hygiene and		
minimize risk of diseases and injuries.		
Examples of pasture management include,		
but are not limited to: field rotation, field		
grooming, pasture management such as type		
of grass that is planted, amount of time cattle		
are on a specific pasture etc.		
1.1.6.9 Bedding SHOULD be provided to all		
animals housed on concrete. In straw, sand or		
other bedding systems such as rubber mats,		
crumbled-rubber-filled mattresses and		
waterbeds, the bedding SHOULD be suitable		
(e.g. hygienic, non-toxic) and maintained to		
provide cattle with a clean, dry and		
comfortable place in which to lie.		
1.1.6.10 The design of a standing, or cubicle,		
or free stall, SHOULD be such that the		
animals can stand and lie comfortably on a		
solid surface (e.g. length, width and height		
SHOULD be appropriate for the size of the		
largest animal). There SHOULD be sufficient		
room for the animal to rest and to rise		
adopting normal postures, to move its head		
freely as it stands up, and to groom itself		
without difficulty. Where individual spaces		
are provided for cows to rest, there SHOULD		
be at least one space per cow when resting is		
sought. Examples of how/when cattle rest		
include, but are not limited to:		
- In many cases cows are consistently		
being moved through the dairy to be		
milked, so the whole group of cows is not		
in their pen at one time. Some will be		
lying and some will be moving through		
their milking routine.		
- At any one time some cows will be		
eating, some drinking and some lying.		
- Cows have a hierarchy. In many cases,		
lead cows will eat and drink first, while		
other cows rest. Then the lead cows will		
rest and the other cows will eat and drink.		
1.1.6.11 Alleys and gates SHOULD be		
designed and operated to allow free		
movement of cattle. Floors SHOULD be		
designed to minimize slipping and falling,		
promote foot health, and reduce the risk of		
claw injuries.		
1.1.6.12 If a housing system includes areas of		
slatted floor, cattle, including replacement		
siamou 11001, came, meraumg replacement		

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stock, SHOULD have access to a solid lying			
area. The slat and gap widths SHOULD be			
appropriate to the hoof size of the cattle to			
prevent injuries.			
1.1.6.13 If cattle have to be tethered whether			
indoors or outdoors, they SHOULD, as a			
minimum, be able to lie down, stand up,			
maintain normal body posture and groom			
themselves unimpeded. Cows kept in tie stall			
housing SHOULD be allowed sufficient			
untethered exercise to prevent welfare			
problems. When tethered outdoors they			
SHOULD be able to walk. Animal handlers			
SHOULD be aware of the higher risks of			
welfare problems where cattle are tethered.			
1.1.6.14 Where breeding bulls are in housing			
systems, care SHOULD be taken to ensure			
that they have sight of other cattle with			
sufficient space for resting and exercise. If			
used for natural mating, the floor SHOULD			
not be slatted or slippery.			
1.1.7 Location, Construction and Equipmen	t		
1.1.7.1 The impacts of climate and			
geographical factors on dairy cattle SHOULD			
be taken into consideration when farms are			
established. Efforts SHOULD be made to			
mitigate any negative impacts of those factors.			
Examples of how to mitigate climate and			
geographical changes to cattle include, but are			
not limited to: facility design such as, shade, fans, wind breaks, bedding, movement of			
cattle through a facility (ex. milking times,			
breeding times), choosing a specific breed of			
cattle, etc.			
1.1.7.2 All facilities for dairy cattle SHOULD			
be constructed, maintained and operated to			
minimize the risk to the welfare of the cattle.			
1.1.7.3 In pasture and combination systems			
tracks and races between the milking area and			
fields SHOULD be laid out and managed so			
as to minimize the overall distances walked.			
Construction and maintenance of tracks and			
races, including their surface, SHOULD			
minimize any risk to the welfare of the cattle,			
especially from foot health problems.			
1.1.7.4 Equipment for milking, handling and		Per	
restraining dairy cattle SHOULD be		Industry,	
constructed and used in a way that minimizes		N/A for this	
the risk of injury, pain or distress.		checklist	
Manufacturers of such equipment SHOULD			
consider animal welfare when designing it and			
when preparing operating instructions.			
regulation already in place through FDA:			
https://www.fda.gov/downloads/food/guida			

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nceregulation/guidancedocumentsregulator			
vinformation/milk/ucm513508.pdf			
1.1.7.6 Electrified fences and gates SHOULD			
be well-designed and maintained to avoid			
welfare problems, and used only in			
accordance with manufacturer's instructions.			
1.1.7.8 In all production systems, feed and			
water provision SHOULD allow all cattle to			
have access to feed and water. Feeding			
systems SHOULD be designed to minimize			
agonistic behavior. Feeders and water			
providers SHOULD be easy to clean and			
properly maintained.			
1.1.7.9 Milking parlors, free stalls, standings,			
cubicles, races, chutes and pens SHOULD be			
properly maintained and be free from sharp			
edges and protrusions to prevent injury to			
cattle.			
1.1.7.10 There SHOULD be a separated area			
where individual animals can be examined			
closely and which has restraining facilities.			
1.1.7.11 When relevant, sick and injured			
animals SHOULD be treated away from			
healthy animals. When a dedicated space is			
provided this SHOULD accommodate all the			
needs of the animal e.g. recumbent animals			
may require additional bedding or an			
alternative floors surface.			
1.1.7.12 Hydraulic, pneumatic and manual			
equipment SHOULD be adjusted, as			
appropriate, to the size of cattle to be handled.			
Hydraulic and pneumatic operated restraining			
equipment SHOULD have pressure limiting			
devices to prevent injuries. Regular cleaning			
and maintenance of working parts is essential			
to ensure the system functions properly and is			
safe for the cattle.			
1.1.7.13 Mechanical and electrical devices			
used in facilities SHOULD be safe for cattle.			
1.1.7.14 Dipping baths and spray races used		Per	
for ectoparasite control SHOULD be designed		Industry,	
and operated to minimize the risk of crowding		N/A for this	
and to prevent injury and drowning. Dipping		checklist.	
of dairy cattle is not practiced in the U.S.			
(this is more specific to beef cattle)			
1.1.7.15 Collecting yards (e.g. entry to the			
milking parlor) SHOULD be designed and			
operated to minimize stress and prevent			
injuries and lameness.			
1.1.7.16 The loading areas and ramps,			
including the slope of the ramp, SHOULD be			
designed to minimize stress and injuries for			
the animals and ensure the safety of the	1		
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animal handlers.			

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1.1.8 Emergency Plans			
1.1.8 Emergency Flans 1.1.8.1 The failure of power, water and feed			
supply systems could compromise animal			
welfare. Dairy producers SHOULD have			
contingency plans to cover the failure of these			
systems. These plans may include the			
provision of fail-safe alarms to detect			
malfunctions, back-up generators, contact			
information for key service providers, ability			
to store water on farm, access to water cartage			
services, adequate on-farm storage of feed,			
alternative feed supply, and emergency killing			
of animals			
1.1.8.2 Preventive measures for emergencies			
SHOULD be input-based rather than outcome			
based. Contingency plans SHOULD include			
an evacuation plan and be documented and			
communicated to all responsible parties.			
Alarms and back-up systems SHOULD be			
checked regularly.			
2.0 Animal Management Practices			
2.0.1 Good animal management practices are			
critical to providing an acceptable level of			
animal welfare. Personnel involved in			
handling and caring for dairy cattle SHOULD			
be competent with relevant experience or			
training to equip them with the necessary			
practical skills and knowledge of dairy cattle			
behavior, handling, health, biosecurity,			
physiological needs and welfare. There			
SHOULD be a sufficient number of animal			
handlers to ensure the health and welfare of			
the cattle.			
2.1 Biosecurity and Animal Health			
2.1.1 Biosecurity and Disease Prevention	T	Ī	
2.1.1.1 Biosecurity plans SHOULD be			
designed, implemented and maintained,			
commensurate with the best possible herd			
health status, available resources and			
infrastructure, and current disease risk and, for			
listed diseases in accordance with relevant			
recommendations in the Terrestrial Code.			
2.1.1.2 These biosecurity plans SHOULD			
address the control of the major sources and			
pathways for spread of			
pathogens:			
- cattle, including introductions to the herd,			
- calves coming from different sources,			
- other domestic animals, wildlife, and pests,			
 other domestic animals, windine, and pests, people including sanitation practices, 			
people including sanitation practices,equipment, tools and facilities,			
- equipment, tools and facilities, - vehicles,			
•			
- air,			
 water supply, feed and bedding, 			

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 manure, waste and dead stock disposal, 	
 semen and embryos. 	
2.1.2 Animal Health Management	
2.1.2.1 Animal health management SHOULD	
optimize the physical and behavioral health	
and welfare of the dairy herd. It includes the	
prevention, treatment and control of diseases	
and conditions affecting the herd (in particular	
mastitis, lameness, reproductive and	
metabolic diseases).	
2.1.2.2 There SHOULD be an effective	
program for the prevention and treatment of	
diseases and conditions, formulated in	
consultation with a veterinarian, where	
appropriate. This program SHOULD include	
the recording of production data (e.g. number	
of lactating cows, births, animal movements	
in and out of the herd, milk yield),	
morbidities, mortalities, culling rate and	
medical treatments. It SHOULD be kept up to	
date by the animal handler(s). Regular	
monitoring of records aids management and	
quickly reveals problem areas for	
intervention.	
2.1.2.3 For parasitic burdens (e.g.	
endoparasites, ectoparasites and protozoa), a	
program SHOULD be implemented to	
monitor, control and treat, as appropriate.	
2.1.2.4 Lameness can be a problem in dairy	
cattle. Animal handlers SHOULD monitor the	
state of feet and take measures to prevent	
lameness and maintain foot health.	
2.1.2.5 Those responsible for the care of cattle	
SHOULD be aware of early specific signs of	
disease or distress (e.g. coughing, ocular	
discharge, changes in milk appearance,	
changes in locomotory behavior), and non-	
specific signs such as reduced feed and water	
intake, reduction of milk production, changes	
in weight and body condition, changes in	
behavior or abnormal physical appearance.	
2.1.2.6 Cattle at higher risk of disease or	
distress will require more frequent inspection	
by animal handlers. If animal handlers suspect	
the presence of a disease or are not able to	
correct the causes of disease or distress, they	
SHOULD seek advice from those having	
training and experience, such as veterinarians	
or other qualified advisers, as appropriate.	
2.1.2.7 Vaccinations and other treatments	
administered to cattle SHOULD be carried out	
by veterinarians or other people skilled in the	
procedures and on the basis of veterinary or	
other expert advice and with consideration for	
the welfare of the dairy cattle.	

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2.1.2.8 Animal handlers SHOULD be		
competent in identifying and appropriately		
managing chronically ill or injured cattle, for		
instance in recognizing and dealing with non-		
ambulatory cattle, especially those that have		
recently calved. Veterinary advice SHOULD		
be sought as appropriate.		
2.1.2.9 Non-ambulatory cattle SHOULD have		
access to water at all times and be provided		
with feed at least once daily and milked as		
necessary. They SHOULD be provided shade		
and protected from predators. They SHOULD		
not be transported or moved unless absolutely		
necessary for treatment or diagnosis. Such		
movements SHOULD be done carefully using		
methods that avoid dragging the animal or		
lifting it in a way that might exacerbate		
injuries.		
2.1.2.10 Animal handlers SHOULD also be		
competent in assessing fitness to transport, as		
described in Chapter 7.3.		
2.1.2.11 In case of disease or injury, when		
treatment has failed or recovery is unlikely		
(e.g. cattle that are unable to stand up, unaided		
or refuse to eat or drink), the animal		
SHOULD be humanely killed as soon as		
possible.		
2.1.2.12 Animals suffering from		
photosensitization SHOULD be provided with		
shade and where possible the cause SHOULD		
be identified.		
2.1.3 Emergency Plans for Disease Outbrea	ks	
2.1.3.1 Emergency plans SHOULD cover the		
management of the farm in the face of an		
emergency disease outbreak, consistent with		
national programs and recommendations of		
Veterinary Services as appropriate. For		
disease spread see APHIS's Secure Milk		
Supply Plan: http://securemilksupply.org/		
2.2 Nutrition		
2.2.1 Cattle SHOULD be provided with		
access to an appropriate quantity and quality		
of balanced nutrition that meets their		
physiological needs.		
2.2.2 Where cattle are maintained in outdoor		
conditions, short term exposure to climatic		
extremes may prevent access to nutrition that		
meets their daily physiological needs. In such		
circumstances the animal handler SHOULD		
ensure that the period of reduced nutrition is		
not prolonged and that extra food and water		
supply are provided if welfare would		
otherwise be compromised.		
2.2.3 Animal handlers SHOULD have		
adequate knowledge of appropriate body		
adequate knowledge of appropriate body	1	

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condition scoring systems for their cattle and		
SHOULD not allow body condition to go		
outside an acceptable range in accordance		
with breed and physiological status.		
2.2.4 Feedstuffs and feed ingredients		
SHOULD be of satisfactory quality to meet		
nutritional needs and stored to minimize		
contamination and deterioration. Where		
appropriate, feed and feed ingredients		
SHOULD be tested for the presence of		
substances that would adversely impact on		
animal health. Control and monitoring of		
animal feed SHOULD be implemented.		
2.2.5 Grain or new diets SHOULD be		
introduced slowly and palatable fibrous feed		
such as, but not limited to silage, grass and		
hay, SHOULD be available ad libitum and/or		
to meet metabolic requirements in a way that		
promotes digestion and ensures normal rumen		
function.		
2.2.6 Animal handlers SHOULD understand		
the impact of cattle size and age, weather		
patterns, diet composition and sudden dietary		
changes in respect to digestive upsets and		
their negative consequences (displaced		
abomasum, sub-acute ruminal acidosis, bloat,		
liver abscess, and laminitis). Where		
appropriate, dairy producers SHOULD		
consult a cattle nutritionist for advice on		
ration formulation and feeding programs.		
2.2.7 Particular attention SHOULD be paid to		
nutrition in the last month of pregnancy, with		
regards to energy balance, roughage and		
micronutrients, in order to minimize calving		
and post-calving diseases and body condition		
loss.		
2.2.9 Calves over two weeks old SHOULD	 	
have access to a sufficient daily ration of		
fibrous feed and/or starter ration (concentrate)		
to promote rumen development and to reduce		
abnormal oral behaviors.	 	
2.2.10 Dairy producers SHOULD become		
familiar with potential micronutrient		
deficiencies or excesses for production		
systems in their respective geographical areas		
and use appropriately formulated supplements		
where necessary.		
2.3 Social Environment		
2.3.1 Management of cattle SHOULD take		
into account their social environment as it		
relates to animal welfare, particularly in		
housed systems. Problem areas include:		
agonistic and oestrus activity, mixing of		
heifers and cows, feeding cattle of different		
size and age in the same pens, decreased space		



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allowance, insufficient space at the feeder,		
insufficient water access and mixing of bulls.		
2.3.2 Management of cattle in all systems		
SHOULD take into account the social		
interactions of cattle within groups. The		
animal handler SHOULD understand the		
dominance hierarchies that develop within		
different groups and focus on high risk		
animals, such as sick or injured, very young,		
very old, small or large size for cohort group,		
for evidence of agonistic behavior and		
excessive mounting behavior. The animal		
handler SHOULD understand the risks of		
increased agonistic interactions between		
animals, particularly after mixing groups.		
2.3.4 When other measures have failed, cattle		
that are expressing excessive agonistic activity		
or excessive mounting behavior SHOULD be		
managed in accordance with the Herd Health		
Plan or removed from the group.		
Examples of how to manage animals who		
express excessive agnostic behavior include,		
but are not limited to: Animals that are		
scheduled to be bred grouped separately until		
bred per reproductive program protocol. 2.3.5 Animal handlers SHOULD be aware of		
the animal welfare problems that may be caused by mixing of inappropriate groups of		
cattle and provide adequate measures to		
minimize them (e.g. introduction of heifers in		
a new group, mixing of animals at different		
production stages that have different dietary		
needs).		
2.3.6 Horned and non-horned cattle SHOULD		
not be mixed because of the risk of injury.		
2.4 Space Allowance		
2.4.1 Cattle in all production systems		
SHOULD be offered adequate space for		
comfort and socialization.		
2.4.2 Space allowance SHOULD be managed		
taking into account different areas for lying,		
standing and feeding. Crowding SHOULD not		
adversely affect normal behavior of cattle and		
durations of time spent lying.		
2.4 3 All cattle SHOULD be able to rest, and		
each animal lie down, stand up and move		
freely. In growing animals, space allowance		
SHOULD also be managed such that weight		
gain is not adversely affected. If abnormal		
behavior is seen, corrective measures		
SHOULD be taken, such as increasing space		
allowance, redefining the areas available for		
lying, standing and feeding.		

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2.4.4 In pastured systems, stocking density			
SHOULD depend on the available feed and			
water supply and pasture quality.			
2.5 Protection from Predators			
2.5.1 Cattle SHOULD be protected from			
predators.			
2.6 Genetic Selection			
2.6.1 Welfare and health considerations, in			
addition to productivity, SHOULD be taken			
into account when choosing a breed or			
subspecies for a particular location or production system.			
2.6.2 In breeding programs, attention			
SHOULD be paid to criteria conducive to the			
improvement of cattle welfare, including			
health. The conservation and development of			
genetic lines of dairy cattle, which limit or			
reduce animal welfare problems, SHOULD be			
encouraged. Examples of such criteria include			
nutritional maintenance requirement, disease			
resistance and heat tolerance.			
2.6.3 Individual animals within a breed			
SHOULD be selected to propagate offspring			
that exhibit traits beneficial to animal health			
and welfare by promoting robustness and			
longevity. These include resistance to			
infectious and production related diseases			
infectious and production related diseases,			
ease of calving, fertility, body conformation			
ease of calving, fertility, body conformation and mobility, and temperament.			
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Approved by JUS JW



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2.10.2 Dairy cattle producers SHOULD seek			
expert advice on the most appropriate time			
and method of weaning for their type of cattle			
and production system.			
2.11 Rearing of Replacement Stock			
2.11.1 Young calves are at particular risk of			
thermal stress. Special attention SHOULD be			
paid to management of the thermal			
environment (e.g. provision of additional			
bedding, nutrition or protection to maintain			
warmth and appropriate growth).			
2.11.2 Individual calf-housing may facilitate			
monitoring of health of very young calves and			
minimize the risk of disease spread, but			
replacement stock SHOULD then be reared in			
groups. Animals in groups SHOULD be of			
similar age and physical size.			
2.11.3 Whether reared individually or in			
group pens, each calf SHOULD have enough			
space to be able to turn around, rest, stand up			
and groom comfortably and see other animals.			
2.11.4 Replacement stock SHOULD be			
monitored for cross-sucking and appropriate			
measures taken to prevent this occurring (e.g.			
provide sucking devices, revise or modify			
feeding practices, provide other environmental			
enrichments).			
2.11.5 Particular attention SHOULD be paid			
to the nutrition, including trace elements, of			
growing replacement stock to ensure good			
health and that they achieve an appropriate			
growth curve for the breed and farming			
objectives.			
2.12 Milking Management			
2.12.1 Milking, whether by hand or machine,			
SHOULD be carried out in a calm and			
considerate manner in order to avoid pain and			
distress. Special attention SHOULD be paid to			
the hygiene of personnel, the udder and			
milking equipment. All cows SHOULD be			
checked for abnormal milk at every milking.			
		Dom	
2.12.2 Milking machines, especially		Per	
automated milking systems, SHOULD be used and maintained in a manner which		Industry,	
		N/A for this	
minimizes injury to teats and udders.		checklist	
Manufacturers of such equipment SHOULD		since	
provide operating instructions that consider		regulation	
animal welfare. This is an N/A for this		in place	
checklist siting the regulation already in		through	
place through FDA:		FDA.	
https://www.fda.gov/downloads/food/guida			
nceregulation/guidancedocumentsregulator			
yinformation/milk/ucm513508.pdf			

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2.12.3 A regular milking routine SHOULD be		
established relevant to the stage of lactation		
and the capacity of the system.		
2.12.4 Animal handlers SHOULD regularly		
check the information provided by the milking		
system and act accordingly to protect the		
welfare of the cows.		
2.12.5 Special care SHOULD be paid to		
animals being milked for the first time. They		
SHOULD be familiarized with the milking		
facility prior to giving birth.		
2.12.6 Long waiting times before and after		
milking can lead to health and welfare		
problems (e.g. lameness, reduced time to eat).		
Management SHOULD ensure that waiting		
times are minimized.		
2.13 Painful Husbandry Procedures		
2.13 Husbandry practices are routinely carried		
out in cattle for reasons of management,		
animal welfare and human safety. Those		
practices that have the potential to cause pain		
SHOULD be performed in such a way as to		
minimize any pain and stress to the animal.		
Such procedures SHOULD be performed at as		
early an age as possible or using anesthesia or		
analgesia under the recommendation or		
supervision of a veterinarian.		
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complications that may include excessive			
bleeding or sinus infection.			
2.13.2 Tail Docking		T	
2.13.2.1 Tail docking does not improve the			
health and welfare of dairy cattle and			
therefore it is not recommended. As an			
alternative, trimming of tail hair SHOULD be			
considered where maintenance of hygiene is a			
problem.			
2.13.3 Identification			
2.13.3.1 Ear-tagging, ear-notching, tattooing,			
branding and radio frequency identification			
devices (RFID) are methods of permanently			
identifying dairy cattle. The least invasive			
approach SHOULD be adopted whichever			
method is chosen (e.g. the least number of ear			
tags per ear and the smallest notch practical).			
It SHOULD be accomplished quickly,			
expertly and with proper equipment.			
2.13.3.2 Freeze branding and branding with a			
hot iron SHOULD be avoided where			
alternative identification methods exist (e.g.			
electronic identification or ear-tags). When			
branding is used, the operator SHOULD be			
competent in procedures used and be able to			
recognize signs of complications.			
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2.13.3.3 Identification systems SHOULD be			
established.			
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2.14.4 Where dogs are used as an aid for cattle	Per	
herding they SHOULD be properly trained.	Industry,	
Animal handlers SHOULD be aware that	N/A since	
presence of dogs can stress the cattle and	dogs are	
cause fear and SHOULD keep them under	not	
control at all times. The use of dogs is not	typically	
appropriate in housed systems, collection	used in the	
yards or other small enclosures where the	U.S. dairy	
cattle cannot move freely away. For more	industry	
information on dogs utilize BQA:		
"Properly trained dogs can be effective		
and humane tools for cattle handling.		
Insure that rough handling, barking		
and impeding of cattle flow is		
minimized (Page 98)."		
http://www.bqa.org/Media/BQA/Docs/nat		
ionalmanual.pdf		
2.14.5 Cattle are adaptable to different visual		
environments. However, exposure of cattle to		
sudden movement or changes in visual contrasts SHOULD be minimized where		
possible to prevent stress and fear reactions.	n	
2.14.6 Electroimmobilisation SHOULD not	Per	
be used.	Industry,	
	N/A since	
	electroimm	
	obilisation	
	is not a	
I and the second	nwaatiaa	
	practice	
	that is used	
0.15 D		
2.15 Personnel Training	that is used	
2.15.1 All people responsible for dairy cattle	that is used	
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with	that is used	
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD	that is used	
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD understand cattle husbandry, animal handling,	that is used	
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD understand cattle husbandry, animal handling, milking routines, reproductive management	that is used	
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD understand cattle husbandry, animal handling, milking routines, reproductive management techniques, behavior, biosecurity, signs of	that is used	
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2.16.3 Humane killing procedures for sick or		
injured cattle SHOULD be part of the disaster		
management plan.		
2.17 Humane Killing		
2.17.1 For sick and injured cattle a prompt		
diagnosis SHOULD be made to determine		
whether the animal SHOULD be treated or		
humanely killed.		
2.17.2 The decision to kill an animal		
humanely and the procedure itself SHOULD		
be undertaken by a competent person.		
Reasons for humane killing may include:		
- severe emaciation, weak cattle that are non-		
ambulatory or at risk of becoming non		
ambulatory;		
– non-ambulatory cattle that will not stand up,		
refuse to eat or drink, have not responded to		
therapy;		
 rapid deterioration of a medical condition 		
for which therapies have been unsuccessful;		
severe, debilitating pain;		
compound (open) fracture;		
– spinal injury;		
central nervous system disease;		
 multiple joint infections with chronic weight 		
loss;		
 calves that are premature and unlikely to 		
survive, have a debilitating congenital defect,		
or otherwise		
unwanted; and		
 as part of disaster management response. 		

NOTE: When this checklist is complete, print to ADOBE and add to the audit documentation.

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