

Agricultural Marketing Service

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	ing Physical Envi	ronment	
1.0.1 When new facilities are planned or	ing i nysicai Liivii		
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. Image: Cooling Stress 1.1.2 Cold Stress Image: Cooling 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 manmade shelters. Image: Cooling Stress 1.1.2.2 During extreme cold weather Image: Cooling and natural or manmade shelters. Image: Cooling and natural or manmade shelters.
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made shelters.
L 1 7 7 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
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
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 an	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 solving per SHOULD be		
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. <u>Examples</u> 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	



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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 Equipment		
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 EDA.		
regulation already in place through FDA: https://www.fda.gov/downloads/food/guida		



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nceregulation/guidancedocumentsregulator			
<pre>yinformation/milk/ucm513508.pdf</pre>			
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			
and operated to minimize the risk of crowding		Industry, N/A for this	
and to prevent injury and drowning. Dipping		checklist.	
of dairy cattle is not practiced in the U.S.		CHECKIISI.	
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			
animal handlers.			
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1.1.8 Emergency Plans			
1.1.8.1 The failure of power, water and fe	ed		
supply systems could compromise animal			
welfare. Dairy producers SHOULD have	L		
contingency plans to cover the failure of the	those		
systems. These plans may include the	uiese		
provision of fail-safe alarms to detect			
malfunctions, back-up generators, contact	+		
information for key service providers, abi			
to store water on farm, access to water ca			
services, adequate on-farm storage of feed			
alternative feed supply, and emergency ki			
of animals	innig		
1.1.8.2 Preventive measures for emergence			
SHOULD be input-based rather than outc			
based. Contingency plans SHOULD inclu			
an evacuation plan and be documented an			
communicated to all responsible parties.	iu -		
Alarms and back-up systems SHOULD b	e		
checked regularly.	C		
2.0 Animal Management Practices			
2.0.1 Good animal management practices			
critical to providing an acceptable level o animal welfare. Personnel involved in	1		
handling and caring for dairy cattle SHOU be competent with relevant experience or			
training to equip them with the necessary			
practical skills and knowledge of dairy ca			
behavior, handling, health, biosecurity,	utie		
physiological needs and welfare. There			
SHOULD be a sufficient number of anim	al		
handlers to ensure the health and welfare			
the cattle.	01		
2.1 Biosecurity and Animal Health			
2.1.1 Biosecurity and Ammai Health	tion		
2.1.1.1 Biosecurity plans SHOULD be			
designed, implemented and maintained,	1		
commensurate with the best possible here health status, available resources and	1		
infrastructure, and current disease risk and	d for		
listed diseases in accordance with relevan			
recommendations in the Terrestrial Code.			
2.1.1.2 These biosecurity plans SHOULD			
address the control of the major sources a			
pathways for spread of	inu		
pathogens:			
– cattle, including introductions to the her	rd		
- calves coming from different sources,	iu,		
- other domestic animals, wildlife, and pe	este		
 – other domestic annuals, when e, and pe – people including sanitation practices, 	,		
 – equipment, tools and facilities, – vehicles, 			
– venicies, – air,			
– an, – water supply, feed and bedding,			
- water suppry, recu and beduing,			

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QAD 1060C Checklist

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moments and dead starts dispared			
– 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		
photosensitization SHOULD be provided with shade and where possible the cause SHOULD		
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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	
and age in the sume 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,			
1 Intechous and production related diseases			
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ease of calving, fertility, body conformation and mobility, and temperament.		-	
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calving. Sire selection for embryo	
implantation, insemination or natural mating,	
SHOULD take into account the maturity and	
size of the female.	
2.8.2 Pregnant cows and heifers SHOULD be	
managed during pregnancy so as to achieve an	
appropriate body condition range for the	
breed. Excessive fatness increases the risk of	
dystocia and metabolic disorders during late	
pregnancy or after parturition.	
2.8.3 Cows and heifers SHOULD be	
monitored when they are close to calving.	
Animals observed to be having difficulty in	
calving SHOULD be assisted by a competent	
handler as soon as possible after they are	
detected. When a caesarean section is	
required, it must be carried out by a	
veterinarian.	
2.9 Newborn Calves	
2.9.1 Calving aids SHOULD not be used to	
speed the birthing process, and SHOULD not	
cause undue pain, distress, or further medical	
problems.	
2.9.2 Newborn calves are susceptible to	
hypothermia. The temperature and ventilation	
of the birthing area SHOULD consider the	
needs of the newborn calf. Soft, dry bedding	
and supplemental heat can help prevent cold	
stress.	
2.9.4 Animal handlers SHOULD ensure that	
calves receive colostrum or colostrum replacer	
of a satisfactory quality, within 24 hours of	
birth, and in sufficient quantity, to provide	
passive immunity.	
2.9.5 Recently born calves SHOULD not be	
transported until the navel is dry or	
disinfected, and after which time any transport	
required SHOULD be carried out in	
accordance with Chapter 7.3.	
Examples of why navel "dipping" include,	
but are not limited to: The navel may be wet if	
the dairy "dips" the navel. Navels are dipped	
in a disinfectant to stop bacteria from	
infecting the calf via the navel. Dipping the	
navel has the same effect as letting the navel	
dry.	
2.9.6 Calves SHOULD be handled and moved	
in a manner which minimizes distress and	
avoids pain and injury.	
2.10 Cow-calf Separation and Weaning	
2.10.1 Calves SHOULD be weaned only	
when their ruminant digestive system has	
developed sufficiently to enable them to	
maintain growth, health and good welfare.	
mannani grown, nearm and good wenare.	

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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.		
2.12.2 Milking machines, especially	Per	
automated milking systems, SHOULD be	Industry,	
used and maintained in a manner which	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.	
2.13.1 Disbudding and Dehorning	
2.13.1.1 Thermal cautery of the horn bud by a	
2.13.1.1 Thermal cautery of the horn bud by a trained operator with proper equipment is the	
2.13.1.1 Thermal cautery of the horn bud by a trained operator with proper equipment is the recommended method in order to minimize	
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complications that may include excessive		
bleeding or sinus infection.		
2.13.2 Tail Docking		
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.		
2.13.3.3 Identification systems SHOULD be		
established.		
2.14 Inspection and Handling		
2.14.1 Dairy cattle SHOULD be inspected at		
intervals appropriate to the production system		
and the risks to the health and welfare of the		
cattle. Lactating cows SHOULD be inspected		
at least once a day. Some animals SHOULD		
be inspected more frequently, for example, neonatal calves, cows in late gestation, newly		
weaned calves, cattle experiencing		
environmental stress and those that have		
undergone painful husbandry procedures or		
veterinary treatment.		
2.14.2 Dairy cattle identified as sick or injured		
SHOULD be given appropriate treatment at		
the first available opportunity by competent		
animal handlers. If animal handlers are unable		
to provide appropriate treatment, the services		
of a veterinarian SHOULD be sought.		
2.14.3 Handling aids that may cause pain and		
distress (e.g. electric goads) SHOULD be		
used only in extreme circumstances and		
provided that the animal can move freely.		
Dairy cattle SHOULD not be prodded in		
sensitive areas including the udder, face, eyes,		
nose or ano-genital region. Electric prods		
SHOULD not be used on calves.		



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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 sinc	e
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 t	
yards or other small enclosures where the	U.S. dai	y
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.		
2.14.6 Electroimmobilisation SHOULD not	Per	
be used.	Industry	
	N/A since	
	electroir	
	obilisati	
	is not a	-
	practice	
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	that is u	
	that is us in the U.	
2.15 Personnel Training		
2.15 Personnel Training		
2.15.1 All people responsible for dairy cattle		
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with		
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD		
2.15.1 All people responsible for dairy cattle SHOULD be competent in accordance with their responsibilities and SHOULD understand cattle husbandry, animal handling,		
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		
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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.