

Implementation instructions for SHED CLIMATE CHECK

Animal Welfare Initiative Poultry

The shed climate check is done as follows

- a) **visual inspection** of all buildings where livestock is kept with **sensory evaluation**
- b) Determination of the sheds which are to be randomly checked for the **shed climate check**:
The **minimum number** of checks to be carried out is
 - one check per shed
 - at least one check per area, if areas of a shed are equipped with different ventilation systems
- c) **Implementation** and **recording** of the shed climate check including an **action plan (incl. deadlines)** to eliminate any deviations found
- d) **submission** of the **protocol signed** by the livestock owner and the shed climate expert to the annual **audit**

Re c): **Implementation and recording of the shed climate check using the shed climate checklist**

1. Shed / Section no.

In these lines, the corresponding general information on the shed / compartment inspected is entered. The information serves as a general description.

2. Supply air

- 2.1. In addition to the supply air canals, the supply air area also includes any heat exchanger that may be present. In case of "no OK", the action plan must include, for example, appropriate cleaning work with a deadline.

3. Exhaust air

- 3.1. This information is for general description.
- 3.2. The exhaust air area includes not only the exhaust air canals, but also the fans and protective grilles. These must be included in the control. In case of "no OK", the action plan must include, for example, appropriate cleaning work with a deadline.
- 3.3. Within the functional test, the setpoint temperature and/or minimum air rate must be temporarily changed and a corresponding reaction of the dampers and actuators must be observed. In case of "not OK", e.g. appropriate cleaning or repair work must be included in the action plan with a deadline.
- 3.4. This information is for general description.
- 3.5. the maximum deviation of ± 2 K must be checked with a thermometer. If the tolerance range is not complied with, this must be noted in the action plan with a deadline for correcting the deviation.
- 3.6. This information is for general description. This item is not applicable, for example, for ventilation control systems without automatic setback, as the outdoor sensor is missing here.
- 3.7. This information is for general description. See 3.6

- 3.8. the maximum deviation of ± 2 K must be checked with a thermometer. If the tolerance range is not complied with, this must be noted in the action plan with a deadline for correcting the deviation.

4. Heating

- 4.1. This information is for general description.
- 4.2. In case of "no OK", the action plan must include, for example, appropriate cleaning work with a deadline. If the heating system is inspected on hot summer days, a functional test can be skipped. In any case, however, it must be checked whether sufficient heating devices (e.g. gas radiators) are available. The procedure must be documented.

5. Air cooling systems (if available)

- 5.1. This information is for general description.
- 5.2. In case of "no OK", the action plan must include, for example, appropriate cleaning work with a deadline. If the cooling system is checked on cold winter days, a functional check is not necessary. In any case, however, it must be checked whether all elements of an automatic cooling system are present. The procedure must be documented.

6. Climatic guide (controlled system or manual)

- 6.1. This information is for general description.
- 6.2. The livestock owner must show or call up the corresponding temperature curve on the control unit/ventilation computer. If the values are unacceptable for the season and the corresponding animal weight, this must be recorded in the action plan with a deadline for correcting the deviation. It must be pointed out that the livestock owner must also make appropriate corrections in all control computers not affected by the sample.
- 6.3. See 6.2

7. Emergency equipment

Note: This point is not applicable if no electrically operated ventilation system is used.

7.1. Alarm device

Note: Every alarm device present on the location must be checked (no random sampling!).

- 7.1.1. The livestock owner must show or call up the corresponding value on the alarm device. In case of unacceptable values, this must be recorded in the action plan with a deadline for correcting the deviation. Note: Not all devices show both relative and absolute values. One of these two values must be present.
- 7.1.2. See 7.1.1.
- 7.1.3. The regular maintenance/replacement of the battery must be checked by means of a certificate (e.g. the sticker attached). If necessary, appropriate measures must be recorded with a deadline for correcting the deviation.
- During the functional test, an alarm must be triggered, e.g. by heating a temperature sensor or changing the trigger threshold in the control unit. In case of "not OK", this must be recorded accordingly in the action plan with a deadline for correcting the deviation.

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7.2. Phone dialer

- 7.2.1. A functioning telephone dialer is available. If "no" is selected, an alternative to the alarm message must be available.
- 7.2.2. In case of "no", the defect must be recorded accordingly in the action plan with a deadline for the correction of the deviation.
- 7.2.3. The regular maintenance/replacement of the battery must be checked by means of a certificate (e.g. the sticker). If necessary, appropriate measures must be recorded with a deadline for correcting the deviation.

7.3. Emergency power

Note: Every emergency power supply or feed-in possibility available on the company must be checked (no random sampling!).

- 7.3.1. This information is for general description.
- 7.3.2. In case of a 'not OK', the deviation must be recorded in the action plan with a deadline for the correction of the deviation.

Notes

In lines with the note (OK/not OK), "OK" means that the point in question is in order. If "not OK." is indicated, measures to correct the deviation must be specified, or reasons must be given (if necessary, use a separate sheet) why the check is nevertheless considered to have been passed (e.g. no functional check of the heating in summer).

It must be specified by when the actions must be implemented (deadline must be specified!). The deviation must be corrected as soon as possible. Incorrect settings in the controllers must be corrected immediately.

In the second year of the programme, the result of the shed climate check from the previous year must be reviewed by the expert and presented by the livestock owner.

Annex

Shed climate checklist

Gesellschaft zur Förderung des Tierwohls in der Nutztierhaltung mbH

Schedestraße 1 - 3
53113 Bonn
Tel +49 228 35068-0
Fax +49 228 35068-10
info@initiative-tierwohl.de