

Policy: SC-33-600
Date: 6/9/2025
Enabled by: IACUC/AV/
ILAR/APHIS/FASS
Supersedes: 3/24/2022

Title: Husbandry Care of Swine

I. Purpose:

The purpose of this policy is to outline the minimum standards of care for swine

II. Policy:

All units providing animal care for swine used in agricultural research and teaching must meet or exceed these minimum requirements based on the Guide for the Care and Use of Agricultural Animals Used in Research (*Ag Guide*). Swine used in biomedical research and non-standard agricultural teaching must additionally meet the requirements in the USDA Animal Welfare Regulations (*AWR*), and the Guide for the Care and Use of Laboratory Animals (*Guide*). Deviations or exceptions must be approved by the Attending Veterinarian and the IACUC.

III. Procedure:

Daily (365 days a year without exception):

- Observe each animal and check for health concerns (*AWR* 2.33).
- Ensure adequate feed and potable water is available (*Guide* pg. 65-68).
- Record and report sick animals to designated clinical veterinarian per standard operating procedure (*AWR* 2.33, *Ag Guide* pg. 10).
- For temperature-controlled housing, record minimum and maximum temperatures and humidity.
 - Temperature range for finishing (70-100 kg) and adult (>100 kg) swine is 50°F to 77°F (*Ag Guide* pg. 128).
 - Prenursery (3-15 kg) recommend 79°F to 90°F, Nursery (15 to 35 kg) recommend 64°F to 79°F, and Growing (35-70 kg) recommend 59°F to 77°F (*Ag Guide* pg. 128).
 - Humidity range for swine is 30% to 70% (*Guide* pg. 44).
- When enclosures are cleaned by hosing or flushing, adequate measures shall be taken to protect the animals confined in such enclosures from being directly sprayed with the stream of water or wetted involuntarily. (*AWR* 3.131).
- Remove and replace any enrichment devices that are worn, damaged, or heavily soiled (*Guide* pg. 72)
- Clean and organize room, anterooms, and surrounding premises (*Guide* pg. 72).
- Record daily completion of each task, initial each task, and date the log.

As needed:

- Disinfect the animal room including walls, floors, and ceilings (if possible) (*Guide* pg. 72).
- Remove and replace worn or damaged equipment from primary enclosures and surrounding facility (*Guide* pg. 72).
- Chow must be discarded after 6 months of the milling date unless manufacturer guidelines recommend a shorter or longer expiration date (*Guide* pg. 66).
- Clean and sanitize feed storage containers (*Guide* pg. 67).
- Each facility will develop their own best practices for sanitization of the macroenvironment typically occurring every 6 months or whenever there is a change in species.

Environmental Enrichment:

- Refer to the Environmental Enrichment ([SOC 30-102](#)).

Facilities:

- Temperature alarms must be installed in all temperature-controlled rooms housing swine (*Guide* pg. 143).
- Adequate ventilation must be provided for the health and comfort of the animal at all times.
 - A minimum of 10-15 fresh room air exchanges per hour shall be provided in animal housing areas (*Guide* pg. 46).
- Floors shall be moisture-resistant, non-absorbent, impact-resistant, and relatively smooth (*Guide* pg. 137). Refer to Physical Plant SOC 50-102.

Housing:

- Whenever possible, swine should be socially housed in compatible groups (*Guide* pg. 51).
- Floor space taken up by food bowls, water containers, and enrichment devices should not be considered part of the floor space (*Guide* pg. 56).
- Space requirements differ for biomedical research and agricultural use animals. Specific space requirements can be found in the *Guide* and the *Ag Guide*, respectively (see appendix 1).