



MEMORANDUM CIRCULAR

No: 20

Series of 2022

SUBJECT: TECHNICAL STANDARDS ON THE GUIDELINES ON THE BIOSECURITY CLASSIFICATION OF SWINE FARM

The Philippine College of Swine Practitioners released a matrix on how backyard and commercial swine farms can be categorized based on different set of biosecurity parameters.

Annex A provides the biosecurity requirements to achieve Biosecurity Level 1 and 2. There are 4 main areas covered by this matrix: Location, Facilities, Records, Vehicle Movements. Several risk factors with descriptions are listed herein with the corresponding standard practice.

The intention of the biosecurity classification is to provide guidance for farmers on the minimum standards and how to adjust their biosecurity practices based on an applicable level of their farm category. A higher biosecurity level (especially in commercial farms) is encouraged and specific audits may be done to encompass more risk factors.

Assignment of Scores based on the Biosecurity Matrix:

1. The scores in each parameter will be assigned based on their risk level:
 - high risk (0 point)
 - moderate risk (1 point)
 - high risk (2 points)
2. The farms must satisfy the qualifications set forth in Level 1 (backyard farms) and Level 2 (commercial farms) based on a list of required biosecurity parameters.
 - a. For Backyard Farms, it must be noted that there are 9 yellow boxes which is identified as mandatory scores. A score of zero in any of these yellow boxes will automatically disqualify the farm from Level 1. A minimum score of 18 is needed to comply with Biosecurity Level 1.
 - b. For Commercial Farms, note that there are 12 yellow boxes identified which is identified as mandatory scores. A score of zero in any of these

yellow boxes will automatically disqualify the farm from Level 2. A minimum score of 24 is needed to comply with Biosecurity Level 2.

3. A target score of 42 is ideal which means that factors described are assigned with a LOW risk level. This also implies that the farm is 100% compliant to all biosecurity standards.
4. The minimum score must be satisfied for the two types of swine farming systems (backyard: 18 points; commercial: 24 points).

Annex A provides a detailed guideline on how biosecurity will be classified based on the type of swine farming system.

For your reference and information.

Done this 10th day of June 2021.


REILDRIN G. MORALES, DVM, MVPHMgt.
Officer-in-Charge, Director

Annex A. Farm Biosecurity Matrix Evaluation and Classification

DESCRIPTION	Standard	Target Score	CLASSIFICATION		
			LEVEL 0	LEVEL 1	LEVEL 2
Location	Distance from the nearest pig farm	2			
	Clearly demarcated CDL (clean & dirty line); WITH FENCE	2		2	2
	Signage of Biosecure Area/ biosecurity procedures to follow	2			
	Shower In/Out (w/soap & shampoo); drainage away from farm*	2	0	2	2
	Complete change of clothes & dedicated boots to enter farm	2	0	2	2
	Pest control program in place	2			2
	Regular cleaning & disinfection	2			
	Observes minimum downtime**	2	0	2	2
	Supplies decontamination facility (farm & personal)***	2			2
Facilities	Food items (no pork, pork products from outside)	2		2	2
	No food/drinks in HAS/pig area	2			
	Water chlorinated & regularly tested for contamination	2			2
	Load-in/load-out (1way); cleaned & disinfected after each use	2			
	Feed bags ALLOWED to enter HAS****	2	0	2	2
	Swill & kitchen wastes (kanin baboy, lamaw) FED to pigs	2		2	2
	Dead pig disposal - covered	2			
Records	Visitors log; mortality record; written biosecurity procedures	2			
	Viajeros, visitors ALLOWED in load-out	2	0	2	2
Vehicle	Dedicated feed trucks or feed carts used inside farm ONLY	2			
Movement	Trucks washed & disinfected before entry to pig farm	2			
	Outside vehicles ALLOWED in farm	2	0	2	2
	BEST SCORE (100% COMPLIANT)	42			
	Minimum Compliance Score		18		24

*before entry to HSA (best practice -shower before entry to MSA)
 ** at least 1 night before entry to the farm
 *** disinfect food with chlorine or citric acid; farm supplies with ozone, or fumigant or UV light overnight; vaccine bottles wiped w/ 70% alcohol before storage
 *****,pelleted feed only (best with mitigants; feed bags not allowed to enter HAS

RISK LEVEL	SCORE
High	0
Moderate	1
Low	2

NOTE: Score in yellow box is default score;
 any score below default score is automatic
FAIL and farm will be classified in lower level

Source: Video Training for BaBay ASF. 2020. Farm Biosecurity Evaluation & Classification. File can be requested from Philippine College of Swine Practitioners

Annex A. Farm Biosecurity Matrix Evaluation and Classification

Location	DESCRIPTION	CLASSIFICATION				
		Standard	Target Score	LEVEL 0	LEVEL 1	LEVEL 2
Facilities	Distance from the nearest pig farm	>500 m	2		2	2
	Clearly demarcated CDL (clean & dirty line); WITH FENCE	yes	2		2	2
	Signage of Biosecure Area/ biosecurity procedures to follow	yes	2		2	2
	Shower In/Out (w/soap & shampoo); drainage away from farm*	yes	2	0	2	2
	Complete change of clothes & dedicated boots to enter farm	yes	2	0	2	2
	Pest control program in place	yes	2			2
	Regular cleaning & disinfection	yes	2			2
	Observes minimum downtime**	yes	2	0	2	2
	Supplies decontamination facility (farm & personal)****	yes	2			2
	Food items (no pork, pork products from outside)	yes	2		2	2
	No food/drinks in HAS/pig area	yes	2			2
	Water chlorinated & regularly tested for contamination	yes	2			2
Records	Load-in/load-out (1way); cleaned & disinfected after each use	yes	2			
	Feed bags ALLOWED to enter HAS****	NO	2	0	2	2
	Swill & kitchen wastes (kanin baboy, lamaw) FED to pigs	NO	2		2	2
	Dead pig disposal - covered	YES	2			
Vehicle	Visitors log; mortality record; written biosecurity procedures	yes	2			
	Visitors, visitors ALLOWED in load-out	NO	2	0	2	2
Movement	Dedicated feed trucks or feed carts used inside farm ONLY	yes	2			
	Trucks washed & disinfected before entry to pig farm	yes	2			
	Outside vehicles ALLOWED in farm	NO	2	0	2	2
BEST SCORE (100% COMPLIANT)			42			
Minimum Compliance Score				18		24

*before entry to HSA (best practice -shower before entry to MSA)
 ** at least 1 night before entry to the farm
 *** disinfect food with chlorine or citric acid; farm supplies with ozone, or fumigant or UV light overnite; vaccine bottles wiped w/ 70% alcohol before storage
 **** pelleted feed only (best with mitigants; feed bags not allowed to enter HAS)

RISK LEVEL	SCORE
High	0
Moderate	1
Low	2

NOTE: Score in yellow box is default score;
 any score below default score is automatic
FAIL and farm will be classified in lower level

Source: Video Training for Babay ASF. 2020. Farm Biosecurity Evaluation & Classification. File can be requested from Philippine College of Swine Practitioners



A food-secure and resilient Philippines

with empowered and prosperous farmers and fisherfolk