# Swine Disease Global Surveillance Report

Worldwide pork production is highly interconnected by trade between countries and markets, which could increase the risk of introduction of foreign pathogens into the US.

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The aim of these reports is to have a structure for near realtime identification of hazards that will contribute to the mission of assessing risks to the industry and ultimately, early detection, identification, or prevention of occurrence, in partnership with official agencies, and with our international network of collaborators.

Monthly reports are created based on the systematic screening of multiple official data sources, such as government and international organization websites, and soft data sources like blogs, newspapers and unstructured electronic information from around the world then curated to build a raw repository. Afterward, a group of experts use a multi-criteria rubric to score each event, based on novelty, potential direct and indirect financial impacts on the US market, credibility, scale and speed of the outbreak, connectedness, and local capacity to respond from which an average is calculated. The output of the rubric is a final single score for each event which is then published in the report.

<u>Disclaimer</u>: These communications and the information contained therein are for general informational and educational purposes only and are not to be construed as recommending or advocating a specific course of action.



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#### Current and previous reports

www.swinehealth.org/global-disease-surveillance-reports/







## Swine Disease Global Surveillance Report

Monday, October 1, 2018 – Monday, November 5, 2018

#### **Report highlights:**

#### > AFRICAN SWINE FEVER

The most significant event this month was the identification of **ASF positive farms in southern China.** The report of infected farms in Yunnan Province suggests a substantial spread of the disease within China, and an **increased risk for neighboring countries**, particularly Vietnam, Myanmar, and Laos, which share a porous border with this province. Pork consumption rates in these areas create high levels of formal and informal trade. Moreover, the potential and seemingly likely spread eastward through southern China may increase the likelihood of product contamination within the major exporting port of Hong Kong and surrounding areas. There are concerns regarding overload of diagnostic capacity due to increases in regional trade to supply the market in upcoming Tet holiday (Lunar New Year). Vietnamese and Japanese authorities and industry stakeholders have remarked the importance of intensifying efforts towards carefully checking imported processed meat products.

The annual Leman China meeting was held in Zhengzhou, China, with a major emphasis on the application of **effective biosecurity protocols to slow the spread of ASF** and protect farms. Attendees reported it was the first conference to focus on this disease and the challenges in the Chinese market. Multiple routes of infection were discussed with **major concerns surrounding small farms feeding swill, incorrectly processed spray dried blood plasma, and contaminated transportation vehicles**. Requirements have been put in place to address those risk factors, but methods to monitor and ensure compliance seem to be limited.

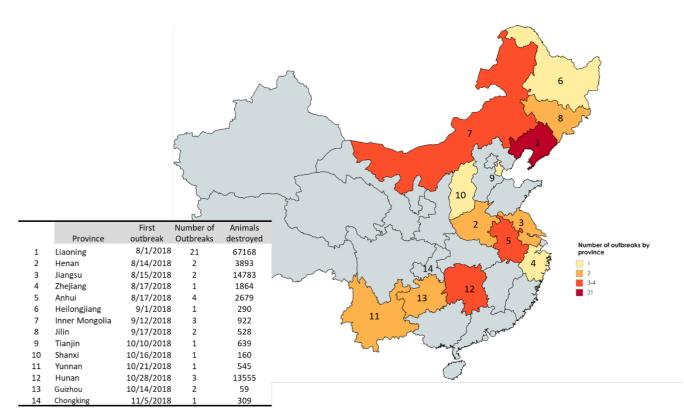
With four new Chinese provinces reporting ASF outbreaks this month, new challenges emerged. Transport ban, one of the early measures taken by the Chinese government to control ASF spread prohibiting the transport of pigs from ASF-infected and neighboring provinces, has been extended threatening to block transportation in the entire country. A side effect of that ban has been the generation of a regional supply and demand imbalance within the country, impacting regional pork prices.

On October 23, 2018, the Chief Veterinary Officer (CVO) of **FAO sent a message to CVOs of China and Southeast** Asian countries encouraging further preparedness and vigilance, highlighting critical components like:

- Preparedness (e.g. contingency planning, standard operating procedures (SOPs), secured financial support) for improved early warning, detection and notification, early reaction, and coordination needs to be in place and reviewed periodically in relation to changing disease situation.
- **Strengthening surveillance** and monitoring of transport of live pigs as well as pork products.
- Awareness and training of all stakeholders, from veterinarians to farmers, intermediaries and other value chain actors is needed.
- Farm registries, animal identification and censuses are essential to enable animal health interventions.
- **Prohibition of swill feeding where feasible**; highly regulated where not.
- **Strengthening proper disposal of food waste** (food services, airports, seaports), which may contain uncooked pork products.
- Outbreak control strategies must be in place, and need to be developed in consultation with the private sector (pig production and allied industries, such as transport, feed operators), for improved disease management options and compliance.







#### ➢ FOOT AND MOUTH DISEASE

**Colombia** reported FMD outbreaks this month, after being declared free with vaccination in 2017. Initially it was observed in cattle, however later on other outbreaks were reported in the northern area of the country in **cattle**, **swine farms, and backyard pigs**. The region has good vaccination coverage for cattle, however not for pigs, making the mitigation process challenging. ICA (Colombian Ministry of Agriculture) is evaluating the possibility of illegal movement of animals across the borders with Venezuela. The current epidemiological investigation aims to identify other focuses of infection, control the spread of the disease, and also initiate preventive measures such as vaccination and culling of positive animals. Further plans include the construction of inspections stations in different parts of the border, engaging the Colombian police and army, to prevent illegal movement of animals and products.

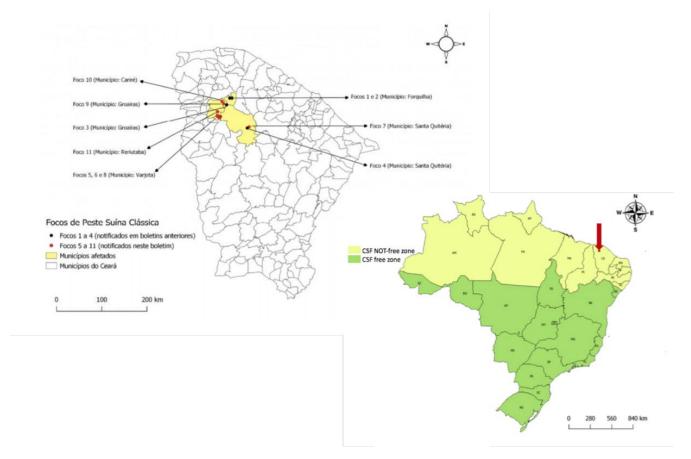
Furthermore, FMD is also adding another layer of challenge for **China**, given that currently there are disease outbreaks in swine farms in the southern region of the country, in the provinces of **Yunnan**, **Guangxi**, and **Guangdong**.

#### > CLASSICAL SWINE FEVER

In early October, Brazil reported an outbreak of CSF outside the Free-Zone, in the state of Ceará (northeastern area of the country), identified through passive surveillance. Later on, an active surveillance plan identified other outbreaks in the surrounding districts. The current epidemiological investigation is focused in eliminating infection from the region, aiming to control the spread of the disease. The index case is located 300 miles (500 km) from the border, and there is a control of movement between regions. The situation does not affect the international recognition of Free-Zone status.







#### > TIME LAG BETWEEN EVENTS AND OFFICIAL REPORTS

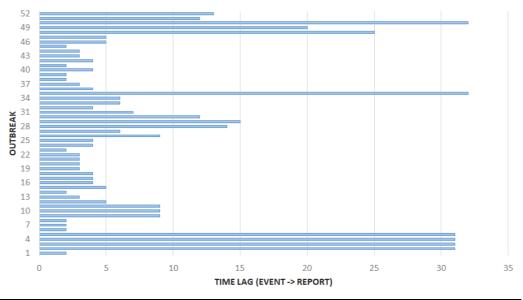
This month the large lag between day of occurrence of outbreaks and OIE official reports in three countries (table 1) denote the complexities of local investigation and early response capacities, highlighting the importance of capacity building of local preparedness and diagnostics logistics.

Country	Average Time lag	Range
	(event -> report)	
Colombia	6.3 weeks	17-62 days
Brasil	4.3 weeks	
China	1.3 weeks	2-32 days





ASF reports - China

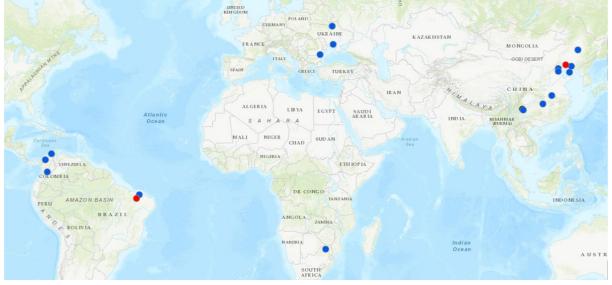


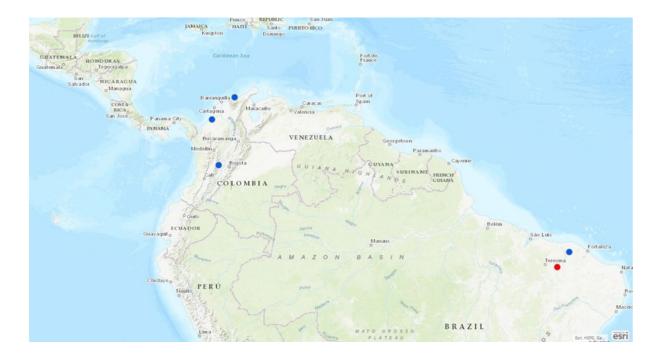
#### **References:**

- https://www.ica.gov.co/Aftosa.aspx
- https://www.contextoganadero.com
- <u>https://www.20minutos.com.mx/noticia/439095/0/colombia-anuncia-medidas-contra-fiebre-aftosa-en-frontera-con-venezuela/</u>
- <u>https://www.contextoganadero.com/regiones/extra-confirman-nuevo-foco-de-fiebre-aftosa-en-maicao-guajira</u>
- <u>https://www.contextoganadero.com/regiones/ley-de-salvavidas-ante-ruina-por-aftosa-solicitan-ganaderos-</u> <u>de-codazzi</u>
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<u>November Report Maps</u>: The locations mentioned in this report are colored in the maps below according to <u>significance score</u>, which are based on the identified hazards (list of worldwide events below) and potential risks to the US swine industry: **1**: Blue – no change in status, **2**: red - needs extra attention as the situation is dynamic; **3**: black - requires consideration of change in practices to reduce exposure by the US industry.

#### **Event list:**

L				-	<b>6.9 (</b> ) <b>(</b> ) <b>(</b> )
Event # 1		•		•	o of Sogamosa (state), later
Date of the event:	8/10/18	in October other outl	preaks in both sw	/ine, backyard p	pigs and cattle were
Date of publication:	10/11/18	identified in the state	s of Cesar and G	uajira - ~400 mi	iles (700 km) distant from
States of	(Departamento)	the initial outbreak. T	hese two states	are in close pro	ximity with the border with
Location: Cesar and		Venezuela, and ICA (0	Colombian agricu	lture ministry) i	is investigating the illegal
Colombia		transport of animals	and meat across	the borders, wł	hich should be the cause of
Disease type:	FMD	introduction of the d	sease in the cour	ntry. In 2017, th	ne region was declared free
	Farm animals, Bac	with vaccination. An	epidemiological i	nvestigation an	d control measures were
		implemented, with e	mergency vaccina	ation. and cull c	of positive animals. in the
Species affected:	<b>a</b>				as a good coverage of
	Others		-		
		vaccination in cattle, however swine are not vaccinated and are susceptible to the disease.			
0				N 4	0
0		Morbidity: 25		Mortality:	0
Significance score:	1.00 *	Reporting source:	contextoganad	lero.com	
Event # 2					
Date of the event:	8/25/18			-	where swine production is
Date of publication:	10/6/18	not prominent and 5	00 km away from	the border wit	th the Free Zone. Last
Forquilha	, State of Ceará.	report dates of 2009.	Identification oc	curred by passi	ive surveillance, after the
Location: Later on	Os municípios de	report of clinical sign	s and high morta	lity in a "backya	ard farm". Restriction of
Brazil		movement between	regions. Local me	easures of active	e surveillance are in place,
Disease type:	CSF	and identified three r	nore outbreaks.	Animals with cli	inical signs were reported,
Species affected:		and were culled. Surv			
	Porcine				
		Morbidity: 88		Mortality: -	
Significance score:	2.00 *	Reporting source:	https://www.o	parana.com.br/	/noticia/confirmado-caso-de
Event # 3					





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Chorrera,			-	-	
Colombia		in the containment zor	ne, which wa	s recognized by the OIE	
ASF	on 11 December 201	.7. An epidemiological	investigation	is being carried out.	
Farm animals	Measures are applied	d to contain it. Movem	ent control i	nside the country	
	Surveillance outside	containment and/or pr	rotection zon	e Surveillance within	
Cattle	containment and/or	protection zone Officia	al destructior	n of animal products	
	Official disposal of ca				
	Morbidity: 0			0	
1.00 *	Reporting source:	OIE			
	1				
9/24/18					
9/24/18	a slaughterhouse in the city of Hohhot reported the outbreak, adding that four				
ngolia					
Location: Autonomous Region of		pigs were infected with, and two had died from, African swine fever. China has			
ASF			en reported.	. The outbreak of the	
Farm animals	-disease is not the firs	st in Inner Mongolia			
Porcine					
	Morbidity: 0	Mort	ality:	0	
1.00 *	Reporting source:	https://global-factiv	a-com.ezp2.l	ih upph adu (radir (dafault	
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9/28/18	-			ib.umn.edu/redir/defaui	
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9/24/18	-	first time and the D			
9/24/18 lian Villag,Qihe	New outbreak, for th	e first time on this Pro	vince Hunan		
	Farm animals Cattle <u>1.00 *</u> <u>9/24/18</u> 9/24/18 ous Region of <u>ASF</u> Farm animals Porcine	narca ( El Cerrito, Chorrera,Vaccination is in force The outbreak is withASFon 11 December 201Farm animalsMeasures are applied Surveillance outside Containment and/or Official disposal of caCattlecontainment and/or Official disposal of ca9/24/189/24/189/24/18a slaughterhouse in t pigs were infected w banned the transpor provinces where Afri disease is not the first PorcinePorcineMorbidity: 0	narca ( El Cerrito, Chorrera,Vaccination is in force in the farm and the a The outbreak is within the containment zor on 11 December 2017. An epidemiological Barm animalsFarm animalsMeasures are applied to contain it. Movem Surveillance outside containment and/or protection zone Officia Official disposal of carcasses, by-products a Morbidity: 00Morti1.00 *Reporting source: OIE9/24/18 oplia ous Region ofASFASF Farm animalsa slaughterhouse in the city of Hohhot repor pigs were infected with, and two had died to banned the transport of live hogs and pig p provinces where African swine fever has be disease is not the first in Inner MongoliaPorcineMorbidity: 0Morbidity: 0Mort	-       -         10/1/18         harca (El Cerrito,         Chorrera,       Vaccination is in force in the farm and the area has high         The outbreak is within the containment zone, which wa         ASF       on 11 December 2017. An epidemiological investigation         Farm animals       Measures are applied to contain it. Movement control in         Surveillance outside containment and/or protection zone       Official disposal of carcasses, by-products and waste State         Morbidity:       0       Mortality:         1.00 *       Reporting source:       OIE         9/24/18       a slaughterhouse in the city of Hohhot reported the out         pigs were infected with, and two had died from, African         banned the transport of live hogs and pig products from         provinces where African swine fever has been reported.         disease is not the first in Inner Mongolia         Porcine       Morbidity:	





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F	arm anim	als	1				
Species affected: P	Porcine						
<u> </u>		-14	Morbidity: 0		Mortality:	0	
Significance score:	1.00	*	Reporting source:	OIE			
Event # 6	- / /						
Date of the event:	9/28/18		_				
Date of publication:	9/28/18						
Northeast	China's Jil	in	Eight pigs on a local t	farm in the cour	nty of Changlin	ig were confi	rmed infected
Location: Province			and three died, the r			.8	
China				innisci y sulu.			
Disease type: A	<b>\</b> SF						
Sneries atterted	arm anim	als					
Pecies anceted. P	Porcine						
			Morbidity: 0		Mortality:	0	
Significance score:	1.00	*	Reporting source:	https://globa	l-factiva-com.e	ezp2.lib.umn.	edu/redir/defaul <sup>.</sup>
Event # 7				-			
Date of the event:	9/28/18		1				
Date of publication:	9/28/18		1				
Two Africa			The Food and Veteri	nary Service ins	pectors have c	onfirmed sev	en new African
Location: cases were			swine fever (ASF) cas				
Latvia	0		informed LETA.			,	
	\SF						
/\	Vild anima	als					
Species attected	Porcine	15					
	orenic		Morbidity: 0		Mortality:	0	
Significance score:	1.00	*	Reporting source:	https://globa	,		edu/redir/defaul
Event # 8	1.00		Reporting source.	TITTh?'/Biong		ezpz.iib.uiiii.	euu/reuir/ueraur
Date of the event:	10/0/10		_				
	10/8/18		_				
Date of publication:	10/8/18		The outbreak was as	nfirmed on nigh	forme in cover	al villagas in )	lington oity
Yingkou cit Location: province	ly, Liaonin	g	The outbreak was co			-	
Location: province China			Liaoning province, ki		-		of Agriculture
	\SF		and Rural Affairs said	i in a statement	published on	its website.	
/1			_				
Species attected.	arm anim						
opeoleo unecteu.		als					
P	Porcine	als	N A a sela i alita se		N de ute litu u		
			Morbidity: -		Mortality:		
Significance score:	Porcine 1.00		Morbidity: - Reporting source:	https://globa			edu/redir/defaul
Significance score: Event # 9	1.00	*		https://globa			edu/redir/defaul
Significance score: Event # 9 Date of the event:	1.00	*		https://globa			edu/redir/defaul
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UNIVERSITY OF MINNESOTA Morbidity: -Mortality: 1.00 \* https://global-factiva-com.ezp2.lib.umn.edu/redir/default Significance score: Reporting source: Outbreaks of FMD in this province (Thulamela city) was first reported in Event # 11 May/2018, and the source of the outbreak or origin of infection is suspected to 10/11/18 Date of the event: be contact with wild species. The current outbreaks are in the same province, 10/19/18 Date of publication: Limpopo, in a radius of 120 miles (200km) showing the disease is still dynamic in Location: 1/0/1900 the region, affecting cattle and African buffalos (Syncerus caffer - Bovidae). South Africa Region is in the NE of the country, close to the borders with Zimbabwe, Disease type: ASF Mozambigue, Botswana. \*Animals were removed from the susceptible Farm animals population through death, destruction and/or slaughter, Measure applied was Species affected: Others Vaccination in response to the outbreak (s). Event within South Africa''s FMD Morbidity: Mortality: 0 0 Significance score: 1.00 \* Reporting source: OIE Event # 12 10/14/18 Date of the event: Date of publication: 10/27/18 Pingzi Village, Zhezhuang Location: Township, Guizhou New outbreak, for the first time on this Province Ghizou. China Disease type: ASF Backyard Species affected: Porcine Morbidity: 49 Mortality: 49 Significance score: 1.00 \* Reporting source: OIE Event # 13 Date of the event: 10/16/18 Date of publication: 10/16/18 The latest case took place at a farm in Houjiaying, Yinzhou District, Tianjin on Location: Beijing-Tianjin-Hebei area Oct. 12 with 292 of 639 pigs affected and 189 dead. China Disease type: ASE Farm animals Species affected: Porcine Morbidity: Mortality: Significance score: 1.00 \* https://global-factiva-com.ezp2.lib.umn.edu/redir/default Reporting source: Event # 14 Date of the event: 10/17/18 Date of publication: 10/17/18 Three new cases of African swine fever (ASF) have been registered in Sumy Sumy region and Kherson region of Ukraine region and Kherson region of Ukraine. The measures are being taken to contain Location: Ukraine the spread of the virus and eliminate the sources of the outbreak of the disease. Disease type: ASF Farm animals Species affected: Porcine Mortality: Morbidity: https://global-factiva-com.ezp2.lib.umn.edu/redir/default Significance score: 1.00 \* Reporting source: Event # 15 Date of the event: 10/19/18 Date of publication: 10/24/18 Tianba Village, Niuchang Township, Zhenxiong, New province in Southeast region. Removed from the susceptible population Location: Zhaotong, Yunnan through death, destruction and/or slaughter. China Disease type: ASF Farm animals Species affected: Porcine Mortality: 47 Morbidity: 47 Significance score: 1.00 \* OIE Reporting source:





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Event # 16	
Date of the event: 10/21/18	
Date of publication: 10/21/18	
Zhaotong in Yunnan	Ministry confirms African Swine Fever in two farms in Zhaotong with a total of
Location: province China	545 pigs dead, CCTV reports
Disease type: ASF	-
Farm animals	-
Species affected: Porcine	
	Morbidity: 0 Mortality: <b>0</b>
Significance score: 3.00 *	Reporting source: https://global-factiva-com.ezp2.lib.umn.edu/redir/default
Event # 17	
Date of the event: 10/24/18	-
Date of publication: 10/24/18	-
Village of Kaynardzha, few	The Bulgarian authorities have detected the first case of African swine fever
<b>.</b> ,	r (ASF) in a wild board found dead near the village of Kaynardzha, few kilometers
Bulgaria	from the border with Romania.
Disease type: ASF	
Species affected: Wild animals	
Porcine Porcine	
	Morbidity: 0 Mortality: 0
Significance score: 1.00 *	Reporting source: https://global-factiva-com.ezp2.lib.umn.edu/redir/default
Event # 18	
Date of the event: 11/2/18	
Date of publication: 11/5/18	
	The lastest province that has reported an outbreak of ASF. Removed from the
Location: province	susceptible population through death, destruction and/or slaughter. Source of
China Disease type: ASF	the outbreak(s) or origin of infection was swill feeding
/1	-
Species affected: Farm animals	
Porcine	
	Mortality: -
Significance score: 2.00 *	Paparting sources OIE
0	Reporting source: OIE
Event # 19	
Event # 19	
Event # 19 Date of the event: 1/0/00	Outbreak occurred outside "Free Zone", in a region where swine production is
Event # 19 Date of the event: 1/0/00	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil	Outbreak occurred outside "Free Zone", in a region where swine production is
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF Farm animals	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF Farm animals Species attected:	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF Farm animals Species attected:	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Farm animals         Species affected:         Porcine	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:       0         Morbidity:       0         Morbidity:       0         Morbidity:       1         Reporting source:       https://global-factiva-com.ezp2.lib.umn.edu/redir/default         Producer is reporting high mortality of animals in two weeks in his farm.
Event #19Date of the event:1/0/00Date of publication:10/8/18Location:Ceara, BrazilBrazilBrazilDisease type:CSFFarm animalsSpecies attected:PorcineSignificance score:1.00 *Event #20Date of the event:1/0/00	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:       0         Morbidity:       0         Morbidity:       0         Morbidity:       0         Producer is reporting high mortality of animals in two weeks in his farm.         Symptoms are: Fever, nose and mouth bleeding, redness and redness of the
Event #19Date of the event:1/0/00Date of publication:10/8/18Location:Ceara, BrazilBrazilBrazilDisease type:CSFSpecies attected:Farm animalsSignificance score:1.00 *Event #20Date of the event:1/0/00Date of publication:10/14/18	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Seporting source:       https://global-factiva-com.ezp2.lib.umn.edu/redir/default         Producer is reporting high mortality of animals in two weeks in his farm.         Symptoms are:       Fever, nose and mouth bleeding, redness and redness of the         body, the local sun surname farmer said these symptoms appeared on his 110
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Species attected:       Farm animals         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:       0         Mortality:         Reporting source:       https://global-factiva-com.ezp2.lib.umn.edu/redir/default         Producer is reporting high mortality of animals in two weeks in his farm.         Symptoms are: Fever, nose and mouth bleeding, redness and redness of the body, the local sun surname farmer said these symptoms appeared on his 110         pigs. They claim it is not ASF, and it is probably "seasonal fever" - not clear what
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Farm animals         Species attected:         Porcine         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai         Location:       County, Jiangsu Province	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Farm animals         Species affected:         Porcine         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai         Location:       County, Jiangsu Province         China       10	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:       0         Mortality:         Reporting source:       https://global-factiva-com.ezp2.lib.umn.edu/redir/default         Producer is reporting high mortality of animals in two weeks in his farm.         Symptoms are: Fever, nose and mouth bleeding, redness and redness of the body, the local sun surname farmer said these symptoms appeared on his 110         pigs. They claim it is not ASF, and it is probably "seasonal fever" - not clear what that means (CSF?). No testing was performed. Local vets claim it's not ASF because gross lesions are not typical. Wang Jing, director of the Lianyungang
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Farm animals         Species attected:         Porcine         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai         Location:       County, Jiangsu Province         China       Disease type:         High mortality/pr	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Species attected:       Farm animals         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai       Location:         Location:       County, Jiangsu Province         China       Disease type:       High mortality/pr	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009. Morbidity: 0 Mortality: Reporting source: https://global-factiva-com.ezp2.lib.umn.edu/redir/default Producer is reporting high mortality of animals in two weeks in his farm. Symptoms are: Fever, nose and mouth bleeding, redness and redness of the body, the local sun surname farmer said these symptoms appeared on his 110 pigs. They claim it is not ASF, and it is probably "seasonal fever" - not clear what that means (CSF?). No testing was performed. Local vets claim it's not ASF because gross lesions are not typical. Wang Jing, director of the Lianyungang Agricultural Commission, told the surging news that there were no reports of suspected African swine fever in Donghai County. Since the outbreak of the
Event # 19 Date of the event: 1/0/00 Date of publication: 10/8/18 Location: Ceara, Brazil Brazil Disease type: CSF Farm animals Species attected: Porcine Significance score: 1.00 * Event # 20 Date of the event: 1/0/00 Date of publication: 10/14/18 Qinghu Town, Donghai Location: County, Jiangsu Province China Disease type: High mortality/pr	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009. Morbidity: 0 Mortality: Reporting source: https://global-factiva-com.ezp2.lib.umn.edu/redir/default Producer is reporting high mortality of animals in two weeks in his farm. Symptoms are: Fever, nose and mouth bleeding, redness and redness of the body, the local sun surname farmer said these symptoms appeared on his 110 pigs. They claim it is not ASF, and it is probably "seasonal fever" - not clear what that means (CSF?). No testing was performed. Local vets claim it's not ASF because gross lesions are not typical. Wang Jing, director of the Lianyungang Agricultural Commission, told the surging news that there were no reports of suspected African swine fever in Donghai County. Since the outbreak of the epidemic in Lianyungang in mid August.
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Farm animals         Species affected:         Porcine         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai       Location:         Location:       County, Jiangsu Province         China       Disease type:       High mortality/pr         Species affected:       Farm animals         Porcine       Farm animals	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009.         Morbidity:       0         Morbidity:       -
Event #       19         Date of the event:       1/0/00         Date of publication:       10/8/18         Location:       Ceara, Brazil         Brazil       Brazil         Disease type:       CSF         Species attected:       Farm animals         Significance score:       1.00 *         Event #       20         Date of the event:       1/0/00         Date of publication:       10/14/18         Qinghu Town, Donghai       Location:         Location:       County, Jiangsu Province         China       Disease type:       High mortality/pr	Outbreak occurred outside "Free Zone", in a region where swine production is not prominent and 500 km away from the border with the Free Zone. Last report dates of 2009. Morbidity: 0 Mortality: Reporting source: https://global-factiva-com.ezp2.lib.umn.edu/redir/default Producer is reporting high mortality of animals in two weeks in his farm. Symptoms are: Fever, nose and mouth bleeding, redness and redness of the body, the local sun surname farmer said these symptoms appeared on his 110 pigs. They claim it is not ASF, and it is probably "seasonal fever" - not clear what that means (CSF?). No testing was performed. Local vets claim it's not ASF because gross lesions are not typical. Wang Jing, director of the Lianyungang Agricultural Commission, told the surging news that there were no reports of suspected African swine fever in Donghai County. Since the outbreak of the epidemic in Lianyungang in mid August.



Sh		UNIVERSITY OF MINNESOTA
Date of pu	Cities of: Yingkou, Anshan,	
Location:	Dalian, Panjin and Jinzhou, in Liaoning province	In the last month the province has reported 14 outbreaks, highliting the difficulties to control the diseases.
	China	

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China			
Disease type:	ASF		
Spacios affactade	Farm animals		
Species affected:	Porcine		

Morbidity: -Mortality: Significance score: 2.00 \* Reporting source: OIE \*Significance score: A scoring system to assess the likelihood a disease event will impact the global

swine industry. Scores range from 1-3 (low-high) based on the novelty of the disease, effect on the swine industry, and impact on trade.