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African Swine Fever

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Report Highlights:

Controlling African Swine Fever (ASF) continues to be problematic for Russia following its reappearance on the territory at the end of 2007. ASF's move north to the major pork producing regions of Stavropol, Rostov, and Krasnodar now threatens over 25 percent of the country's production.

Furthermore, ASF's leap to St. Petersburg and previous appearances along Russia's southern border with Kazakhstan signify ASF is not solely a problem to be blamed on the Caucasus. Instead, feeding practices, control of Russia's veterinary service, and the population of swine held at private households throughout the country have and will likely continue to come under increased scrutiny. As a result, the Ministry of Agriculture has said ASF has the potential to move into Voronezh, Lipetsk, Saratov, Belgorod, Moscow, Tatarstan, and Mordovia in 2010.

Executive Summary:

Controlling African Swine Fever (ASF) continues to be problematic for Russia following its reappearance on the territory at the end of 2007. ASF's move north to the major pork producing regions of Stavropol, Rostov, and Krasnodar now threatens over 25 percent of the country's production. Furthermore, ASF's leap to St. Petersburg and previous appearances along Russia's southern border with Kazakhstan signify ASF is not solely a problem to be blamed on the Caucasus. Instead, feeding practices, control of Russia's veterinary service, and the population of swine held at private households throughout the country have and will likely continue to come under increased scrutiny.

A Brief History of ASF in the Region

ASF arrived in the Soviet Union in 1977 through the seaport in Odessa. During that time, three outbreaks occurred in Odessa Oblast, Kiev Oblast, and Sverdlovsk (Yekaterinburg) Oblast, along with two smaller outbreaks in the Caucasus region and Moldova. Then, starting in the summer of 2007, the Republic of Georgia reported several outbreaks of ASF throughout the country. Soon after in the fall of 2007 and spring of 2008, researchers from the Federal Center for Animal Health Protection reported finding the ASF virus in two dead wild boars in Chechnya, Russia. Following rampant outbreaks in Russia, starting in June 2008, on July 9, 2008, the Information Analytic Center of VPSS published a risk assessment for the transmission of ASF across the territory of the Russian Federation emphasized the threats of a quick spread of ASF to Stavropol Kray, Krasnodar Kray, Rostov-on-don Oblast, and Volgograd Oblast. This assessment soon became reality and sources often cited the migration of wild boars in the Caucus region for the spread of ASF from Georgia deep into the heart of the pork producing regions of Russia's South Federal District. Poor feeding practices also continue to be a silent host, and were the concluded reasons for ASF's jump from the Caucus region to St. Petersburg in October 2009. Whichever the leading factor, reported ASF outbreaks have the clear tendency of moving north. As initial outbreaks and resolving counter measures occurred only on the southern border in North Ossetia, Krasnodar, and Stavropol, the most recent cases involve Rostov and Kalmykiya (See Figure 1 and Appendix A).

Figure 1. ASF Outbreaks in Russia and the Surrounding Region

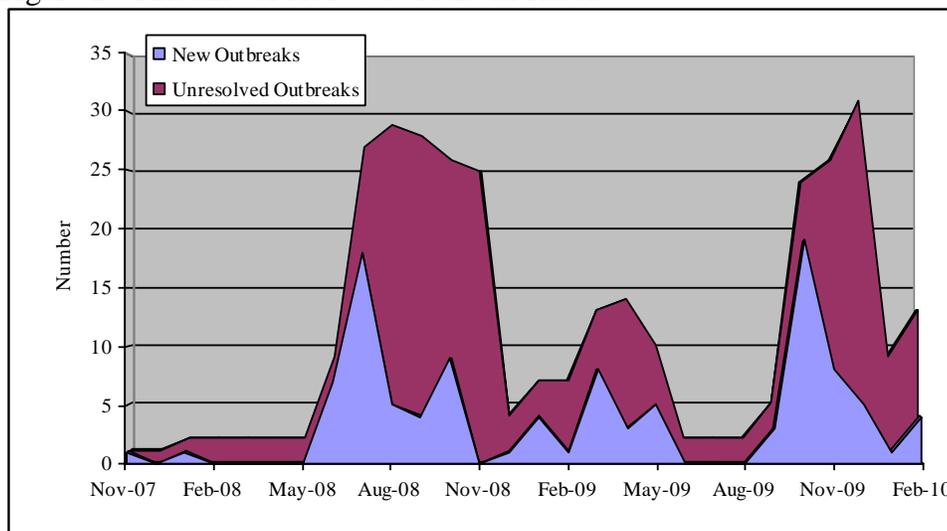


GOR Counter Measures Against ASF

Ministry of Agriculture and VPSS officials recognize a porous southern border, numerous backyard farms, and an absence of a “vertical of power” have emerged as the great threats to controlling ASF in Russia. As Ministry officials have noted, controlling the direct import of ASF is a real challenge for Russia since many of its neighbors to the south are neither traditional pork producers nor consumers (e.g., Azerbaijan, Iran, and Turkmenistan), and thus also have limited interest to eradicate the disease in the wild boar population. In October 2008, Dr. Vlasov, Deputy Head of VPSS, accused the Georgian veterinary services for the ASF disaster, stating they lacked providing the necessary control and confinement. Dr. Vlasov also claimed the threat of ASF is 1,000 times more serious than the danger avian influenza poses to Russia. Other Ministry of Agriculture officials have noted Russia thought the 2007-09 outbreaks had been contained until it popped up near St. Petersburg in the October 2009. Officials remain concerned the large number of swine owned by private households and located in the backyards of the Caucasus is highly vulnerable to poor feeding practices and interaction with the wild species. VPSS insists proper veterinary control can not be guaranteed since local veterinarians do not report to VPSS directly. Chief vets in the locales of the Russian Federation are nominated by the local administration, so their coordinated or in- activity is out of VPSS’ control.

Once an outbreak occurs, a special group of the Russian Ministry of Emergency Situations (EMERCOM), specialists of VPSS, and vets of the local veterinary service work together to carry out emergency regimen and quarantine affected zones as outbreaks occur. Standard measures undertaken to curb the outbreak and to prevent the spread of the infection include imposing restrictions on the transportation of live pigs and pork in the region, establishing quarantine posts on the borders of the

Figure 2. Timeline of ASF Outbreaks in Russia



Source: OIE

fall/winter of 2009 (See Figure 2). Excluding ongoing outbreaks, on average, VPSS resolves the situation within 90 days from the start of the outbreak; however, this comes with a range of 2 to 410 days.

Eradicating wild boars and purging swine at private households are the two most popular prevention and

neighboring territories, destroying the local pig herds, and the disposal of carcasses. During the quarantine, the retail trade of pork is prohibited at the local meat retail markets, and disinfecting barriers are placed at the quarantine posts where transport and personal shoes can be sanitized while moving out the affected zone. Post-outbreak control peaked to roughly 30 separate activities in the summer/fall of 2008 and

resolution methods considered when controlling ASF. According to a special program of the Ministry of Natural Resources and Environment Protection, wild boars are to be eradicated inside a 100-km radius of an ASF incident. As of October 2009, Ministry officials confirmed Russia implemented wild boar eradication programs in Stavropol Kray, Rostov Oblast, and in one Rayon of Krasnodar Kray. The local vet authority in Moscow oblast declared all swine kept at private holds should be slaughtered, in an effort to prevent ASF's spread to the Moscow region. However, VPSS did not appear to fully support this particular action, and there were no further reports of the plan's implementation. Notably, in 2008, private households accounted for 54 percent of total pork production in Russia, while this number was considerably lower in Moscow oblast – 14 percent.

As further control and prevention, the Russian veterinary scientists are continuing work to find an ASF vaccine.

ASF in the Media

After a flurry of reporting in the fall of 2009, official vets stopped reporting ASF cases to journalists, and Russian mass media cancelled discussing new cases of the disease. Media reported briefly only one outbreak in Krasnodar Kray in February 2010. Waning public interest in swine-related diseases (e.g., H1N1) and increasing media focus on other food and agricultural topics (e.g., Russia's Food Security Doctrine and poultry's chlorine ban) most likely contributed to the lower coverage. Regardless, Russia's Chief Veterinary Officer has continued to report new ASF outbreaks every month since September 2009. Interestingly, media accounts of outbreaks have consistently reported higher numbers of cases, deaths, destroyed swine. However, it is unclear whether the media is differentiating slaughtered swine for those destroyed.

ASF Impact on Russia's Production, Consumption, and Trade

On October 29, 2009, Minister Skrynnik claimed the lack of responsibility of the local veterinary authorities, relating to ASF, may result in RuR 25-30 billion (\$0.8-1.0 billion) loss to the Russian pork industry, and further spread of the disease threatens to undermine the entire state program of livestock development in Russia.

VPSS has not released a total swine and wild boar count of dead, destroyed, or slaughtered outside of what can be compiled from their submissions to the OIE (See Table 1). However, Post believes the OIE totals suffer from underreporting when taking into consideration the numerous press articles which often cite numbers and incidents from local vet authorities. In many cases, the local authority may not be fully coordinating with VPSS' direction or record keeping.

Table 1. ASF Outbreaks in Russia

	Swine						Wild Species					
	New Outbreaks	Susceptible	Cases	Deaths	Destroyed	Slaughtered	New Outbreaks	Susceptible	Cases	Deaths	Destroyed	Slaughtered
2007	0	0	0	0	0	0	1	5	5	4	1	0
2008	37	33,818	2,586	2,481	11,402	13,820	8	114	45	43	2	0
2009	37	15,558	752	519	13,839	154	19	381	39	37	55	0
2010	3	507	65	40	425	0	2	0	2	2	0	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>;

<http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>;

Figure 3. Administrations of the Southern Federal District

The Southern Federal District is heavily populated with swine, especially private household-held swine, and the oft transmitter of ASF – wild boar. In total, the district produces 22 percent of Russian pork, and 73 percent comes from two regions with ongoing ASF outbreaks – Krasnodar and Rostov. Additionally, the third largest producer, Stavropol, has succumbed to several outbreaks in the past two years. The district’s fourth largest pork producer, Volgograd, appears sheltered only due to its distance from the Caucasus. Some republics, like Ingushetia and Chechnya, support strong Muslim traditions, so the pig herd is drastically small in their territories. Efforts to control ASF in 2008 resulted in the herd size being slashed by half in North Ossetia; however, virtually all the remaining herd continues to be in the hands of private households. In fact, North Ossetia retains the highest concentration of swine held in the hands of private households (4.6 swine/km²), followed by Krasnodar (4.5), Rostov (3.9), Volgograd (3.1), and Stavropol (2.8). At the end of 2007, the concentration of wild boar was highest in Kabardino-Balkar (0.32 wild boar/km²), North Ossetia (0.30), Chechnya (0.20), Karachay-Cherkessia (0.24), and Krasnodar (0.16) (See Table 2 and Figure 3). However, a newer survey is necessary to properly assess the current risk associated with wild boar populations following the 2008-09 eradication programs.

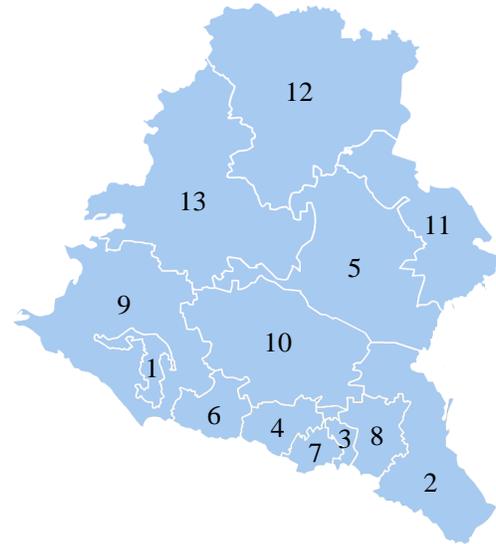


Table 2. Swine Herd in the Southern Federal District

	Area (1,000 km ²)	1,000 Head				Percent of Domestic Swine					
		Wild Boar	Domestic Swine			Agricultural Enterprises		Private Households		Private Farms	
			2007	2007	2008	2009	2008	2009	2008	2009	2008
Russia	17,075	n/a	16,000	16,171	17,252	57%	61%	38%	34%	5%	4%
Southern Federal District	586	n/a	3,517	3,012	2,950	44%	49%	50%	46%	6%	6%
1-Republic of Adygea	8	n/a	28	21	21	12%	25%	69%	63%	18%	12%
2-Dagestan Republic	50	4.1	3	2	1	0%	6%	54%	50%	46%	44%
3-Republic of Ingushetia	4	0.5	0	0	0	0%	0%	0%	0%	0%	0%
4-Kabardino-Balkar Republic	13	4.1	29	35	55	66%	85%	32%	15%	2%	1%
5-Republic of Kalmykia	75	0.8	37	25	20	15%	9%	77%	77%	8%	14%
6-Karachay-Cherkessia Republic	14	3.3	15	12	19	58%	76%	43%	24%	0%	0%
7-Republic of North Ossetia	8	2.4	113	49	47	30%	18%	68%	79%	2%	3%
8-Republic of Chechnya	15	3.0	0	0	0	0%	0%	100%	0%	0%	0%
9-Region of Krasnodar	76	12.5	1,464	1,095	1,097	65%	64%	30%	31%	5%	5%
10-Region of Stavropol	66	1.2	532	459	397	48%	50%	48%	47%	4%	3%

Stavropol											
11-Province of Astrakhan	44	1.9	31	20	20	12%	12%	67%	68%	21%	20%
12-Province of Volgograd	113	2.8	391	444	508	18%	27%	76%	68%	7%	6%
13-Province of Rostov	101	3.5	872	852	764	32%	42%	60%	51%	8%	8%

Note: Swine numbers in 2007 are reported without regional breakouts: Russia: agricultural enterprises – 53%; private households – 42%; and private farms – 5%.

Source: OIE; RosStat; Southern Federal District Veterinary Center and the Center for Hunting Control

Consumer demand for pork may have been slightly affected in 2009, but it was clear that misperception over H1N1 and high prices were larger driving forces. Furthermore, ASF's exit from the media late in 2009 and thus far in 2010 have most likely returned consumers to their normal buying habits. VPSS has published information on its website, stating pork is safe to eat.

ASF is an OIE notifiable disease and states veterinary administrations of countries are advised to consider whether there is a risk regarding ASF in imports or transit for the following commodities: domestic and wild pigs (DWP); semen of DWP; embryos of DWP; fresh meat of DWP; meat products of DWP; products of DWP intended for use in animal feeding or for pharmaceuticals; and pathological materials and biological products of DWP. On November 17, 2008, Ukraine banned imports of pork from Russia on the basis of ASF. By November 5, 2009, Belarus also banned imports of Russian pork. Starting January 20, 2009, Moldova banned imports of all meat from Russia. Interesting to note, Russia prohibits the import of live pigs, as well as all types of meat and all kind of fodder, including grain, from countries not free of ASF during the preceding three years.

Grain is Russia's top agricultural export, and currently over 25 percent of Russia's grain production comes from areas with an ASF outbreak in the last year. Krasnodar, Stavropol, and Rostov are three of these key regions to grain production and building exportable supply (See Table 3). According to the Russian Export Veterinary Certificate, feed grain can only be exported from regions free of ASF during the last 12 months. However, Post understands no such ASF-related restrictions have stopped the signing of such veterinary certificates.

Table 3: Territories with Recent ASF Outbreaks and Correlating Grain Production

	Last ASF Outbreak (Date Resolved)	Production of Grain and Leguminous Crops (Average Share of Russia's Total, 2006-09)								
		Total	Oats	Millet	Buckwheat	Rice	Legumes	Wheat	Rye	Barley
Russia (1,000 MT)		91,229	5,369	498	840	758	1,591	54,937	3,927	18,654
--Province of Orenburg	09/08/08	3.1%	1.5%	9.1%	14.9%	0.0%	2.1%	2.9%	7.3%	3.0%
--Province of Leningrad	04/03/09	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Southern Federal District		31.7%	4.0%	31.9%	6.1%	97.6%	18.7%	36.6%	7.6%	20.8%
--Republic of Adygea	ongoing	0.5%	0.1%	0.0%	0.0%	1.2%	0.0%	0.5%	0.0%	0.5%
--Dagestan Republic	01/15/10	0.3%	0.1%	0.0%	0.0%	2.4%	0.2%	0.2%	0.0%	0.3%
--Republic of Ingushetia	12/29/08	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
--Kabardino-Balkar Republic	04/03/09	0.6%	0.2%	0.5%	0.3%	0.0%	0.2%	0.4%	0.0%	0.5%

--Republic of Kalmykia	01/15/10	0.4%	0.0%	0.5%	0.0%	2.3%	0.0%	0.5%	0.1%	0.3%
--Karachay-Cherkessia Republic	**	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.2%
--Republic of North Ossetia	01/15/10	0.4%	0.1%	0.1%	0.0%	0.0%	0.2%	0.1%	0.0%	0.1%
--Republic of Chechnya	ongoing	0.2%	0.4%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.3%
--Region of Krasnodar	ongoing	10.3%	0.9%	0.5%	0.1%	81.8%	4.4%	10.2%	0.1%	7.5%
--Region of Stavropol	01/15/10	7.8%	1.0%	7.4%	0.3%	0.0%	8.7%	10.5%	0.6%	4.4%
--Province of Astrakhan	**	0.0%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	0.0%	0.1%
--Province of Volgograd	**	4.0%	0.6%	7.7%	4.4%	0.0%	1.1%	5.1%	6.2%	1.6%
--Province of Rostov	ongoing	7.1%	0.5%	14.9%	1.0%	6.7%	3.8%	8.8%	0.4%	5.1%

** No reported ASF outbreaks

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>;
 <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>;
 RosStat <http://www.gks.ru/doc_2009/bul_dr/pos_val_uroj09.zip>

ASF in North (Severnaya) Ossetia (June 2008-January 2010)

Veterinarians reported the first case of ASF in North Ossetia on June 25, 2008. According to the Russian media, people found corps of dead wild and domestic animals in a forest in the Prigorodny rayon of North Ossetia, and the outbreak developed quickly among private backyard herds of pigs. Media sources indicate more than 1,500 pigs died in more than 30 locations in four rayons, and vets destroyed an additional 8,000 pigs in the region during August 2008. However, official reports to the OIE indicate action taken in six rayons (Prigorodny, Alagirsky, Irafsky, Vladikavkaz city, Digorsky, Pravoberezhny) during this timeframe were considerably lower. Regardless of the exact figures and locales, media reports further indicate the regional population was discontented with compensation for condemned animals and chose instead to hide livestock in backyards. Most recently on November 10, 2009, veterinarians reported ASF killed 15 pigs in a collective farm, located in newly exposed rayon, Mozdoksky. These numbers also differ with the official count (See Table 4a and 4b).

Table 4a: Reported ASF Activity in North (Severnaya) Ossetia, June-August 2008

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
06/27/08	12/25/08	Sunzha, Prigorodny	Swine	3,234	56	56	0	3,178
06/28/08	10/20/08	Komgaron, Prigorodny	Swine	373	22	22	0	351
06/28/08	10/20/08	Tarskoje, Prigorodny	Swine	561	192	192	0	369
06/28/08	12/29/08	Verkhneje Sanibo, Prigorodny	Wild species	0	38	38	0	0
06/28/08	10/16/08	Rural settlement Khataldon, Alagirsky	Swine	505	1	1	0	504
06/28/08	10/20/08	Verkhnyaya Saniba,	Swine	332	20	20	312	0

		Prigorodny						
07/04/08	08/29/08	Tsrau, Alagirsky	Swine	432	12	12	420	0
07/04/08	06/01/09	Mairamadag, Alagirsky	Swine	429	344	344	85	0
07/09/08	10/16/08	Biragzang, Alagirsky	Swine	617	20	20	0	597
07/09/08	12/25/08	Nogir, Prigorodny	Swine	2,569	2	2	0	2,567
07/09/08	11/10/08	Settlement Tsementny, Alagirsky	Swine	844	20	20	0	824
07/15/08	08/18/08	Settlement UZK, Alagirsky	Swine	258	88	88	170	0
07/18/08	10/14/08	Settlement Akhsarisar, Irafsky	Swine	335	112	112	0	223
07/20/08	10/30/08	Vladikavkaz city	Swine	52	44	44	8	0
07/21/08	06/01/09	Settlement Surkh-Digora, Irafsky	Swine	820	1	1	819	0
07/21/08	10/20/08	Settlement Mikhailovskoye, Prigorodny	Swine	226	63	63	0	163
07/21/08	10/27/08	Settlement Kora-Ursdon, Digorsky	Swine	487	2	2	0	485
07/21/08	10/16/08	Settlement Ramonovo, Alagirsky	Swine	176	1	1	0	175
07/21/08	08/26/08	Alkhanchurt, Prigorodny	Swine	232	232	232	0	0
07/21/08	09/01/08	Dur-Dur, Digorsky	Swine	1,173	272	272	901	0
07/25/08	12/29/08	Alagirsky, Alagirsky	Wild species	0	1	1	0	0
07/30/08	09/02/08	Zaramag, Alagirsky	Swine	49	33	33	16	0
08/10/08	09/19/08	Kardzhin, Kirovsky	Swine	453	2	2	451	0
08/10/08	09/22/08	Michurino, Ardonsky	Swine	56	8	8	48	0
08/21/08	12/29/08	Lesken, Irafsky	Wild species	0	1	1	0	0
08/28/08	12/03/08	Novy Batacoyurt, Pravoberezhny	Swine	2,413	162	162	2,251	0
08/29/08	12/08/08	Ardon, Ardonsky	Swine	661	39	36	625	0

Table 4b: Reported ASF Activity in North (Severnaya) Ossetia, June-August 2008 (continued)

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
09/03/08	12/08/08	Kirovo, Ardonsky	Swine	2,627	114	114	2,513	0
09/08/08	12/08/08	Kosta, Ardonsky	Swine	2,073	127	127	1,946	0
09/14/08	10/20/08	Settlement Oktyabrskoye, Prigorodny	Swine	239	4	4	235	0
09/29/08	12/03/08	Suadag, Alagirsky	Swine	6	6	6	0	0
10/02/08	12/03/08	Dzuarikau, Alagirsky	Swine	91	9	9	0	82
03/03/09	06/01/09	Giezel, Prigorodny	Swine	248	16	0	94	154
11/10/09	01/15/10	Razdolnoye village, collective farm "Ukraina", Mozdoksky	Swine	1	1	1	0	0
TOTAL Swine and Wild Species				22,572	2,065	2,046	10,894	9,672

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>; <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>

ASF in Tyumen oblast (July-September 2008)

While unreported to the OIE, on October 2, 2008, veterinarians revealed ASF in several pigs among a

lot of 4,000 brought for slaughter in Noyabrsk, Tyumen, from Omsk oblast and Tyumen city.

ASF in Orenburg Oblast (July-September 2008)

Media reports indicated about 200 pigs died of ASF in the backyards of a village in Orenburg oblast in July 2008 (See Table 5). Veterinarians confiscated and destroyed the rest of the pigs from backyards, and the local government allocated RuR1,000,000 (\$30,000) in compensation to the private plot owners.

Table 5: Reported ASF Activity in Orenburg Oblast since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
07/10/08	09/08/08	Settlement Chernorechye	Swine	150	94	94	0	56

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>

ASF in Stavropol Kray (October 2008-January 2010)

According to the media, local authorities in the village Gorykaya Balka, Stavropol Kray, delayed a week before reporting an ASF outbreak in October 2008. Starting on October 23, 2008, veterinarians reported that 117 pigs had died during the week at a collective farm in Stavropol Kray, and while not officially confirmed, an additional 5,034 pigs were destroyed to stop the infection. However, after pigs in private backyards started to die off a few days later, the local veterinary service declared, “We are faced to cull all 7,000 pigs in the village.” This action and corresponding figures can also not be confirmed by the report to the OIE. Meanwhile, new cases of ASF soon arose, and media reports indicate vets destroyed an additional, yet unconfirmed, 11,000 pigs in Stavropol by December. By the end of 2008, VPSS considered ASF controlled in Stavropol Kray, yet in January.

However, in the beginning of January 2009, a new outbreak of ASF was registered in a collective farm in the village Rostovanovskoye. Media reports indicate about 200 pigs died of the infection, and 7,000 pigs were destroyed in the affected territory. Both numbers are significantly higher than official data. Veterinarians also reported several pigs died in private backyards in Stavropol Kray, starting on November 10, 2009, which also conflicts with official data (See Table 6).

Table 6: Reported ASF Activity in Stavropol Kray since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
10/15/08	12/06/08	Gorkaya Balka village, farm 1, Sovetsky	Swine	460	120	120	0	340
10/15/08	12/06/08	Gorkaya Balka village, farm 2, Sovetsky	Swine	440	41	7	0	433
10/26/08	12/06/08	Gorkaya Balka, Sovetskiy	Swine	2,130	20	5	63	2,062
10/27/08	12/06/08	Grushevskoye, Aleksandrovskiy	Swine	298	1	1	0	297
10/27/08	12/06/08	Staropavlovskaya, Kirovskiy	Swine	998	2	2	0	996
10/29/08	12/06/08	Yutsa, Predgorniy	Swine	221	2	2	1	118
01/08/09	02/15/09	Rostovanovskoye, Kursky	Swine	2,500	125	125	2,375	0
01/12/09	06/01/09	Isolated farmstead Privoľny, State nature reserve "Beshtaugorsky", Mineralovodsky	Wild species	140	1	0	1	0
01/14/09	06/01/09	Reserve "Debri", Georgiyevsky	Wild species	140	10	10	51	0
03/07/09	03/27/09	Divnoye village, Apanasenkovsky	Swine	23	15	13	10	0
03/15/09	06/01/09	Kievka village, Apanasenkovsky	Swine	189	45	45	144	0
03/27/09	03/29/09	Divnoye village, Apanasenkovsky	Swine	6	2	0	6	0
03/29/09	04/01/09	Kievka village, Apanasenkovsky	Swine	18	7	0	18	0
04/30/09	05/12/09	Nadezhda, Shakovsky	Swine	1,349	300	124	176	0
11/10/09	01/15/10	Bogdanovka, Stepnovsky	Swine	1	1	1	0	0
TOTAL Swine and Wild Species				8,913	692	455	2,845	4,246

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>; <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>

ASF in Krasnodar Kray (October 2008-continuing)

On November 11, 2008, the administration of Novokuban rayon of Krasnodar Kray discovered ASF on a commercial farm. As a result, reports indicate EMERCOM and official veterinarians destroyed 6,500 pigs in the region, while official figures indicate less than one-tenth that amount (See Table 7).

On January 13, 2009, Vladimir Kharlamov, Vice Governor of Krasnodar informed Russian media that 11 pigs recently died in the village Plastunka, a suburb of Sochi. He explained to journalists that this outbreak is a small one and was induced by the seasonal migration of wild boars which came down from mountains to the village and infected domestic pigs that were pastured in the field in spite of the prohibition by the local authorities. Local veterinarians followed, destroying 265 pigs in the village, and the local administration allocated RuR16,400,000 (\$126,000) to contain the ASF outbreak in Stavropol Kray and Sochi. However, ASF outbreaks are a continuing develop in Krasnodar and near Sochi, especially related to findings in the wild boar population.

Table 7: Reported ASF Activity in Krasnodar Kray since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
10/29/08	01/11/09	"Kuban" pig farm, Novokubansky	Swine	6,798	298	245	538	0
01/04/09	06/01/09	Plastunka, Khostinsky	Swine	265	10	2	263	0
02/03/09		"Krasnaya Zvezda", 2km from settlement Shechenkovo, Krylovskiy	Swine	3,851	77	77	3,774	0
03/01/09		Novopokrovskaya, Novopokrovsky	Swine	2	2	2	0	0
11/18/09		Sochi State preserve	Wild species	0	6	6	0	0
12/04/09		Tract "Shirokoye", Sochi Republican State Natural Preserve, Lazarevsky	Wild species	0	2	1	1	0
12/04/09		Laura Cordon, Sochi Republican State Natural Preserve, Sochi	Wild species	0	3	3	0	0
12/12/09		Region of the mountains Shassi, Apsheronsky	Wild species	0	1	1	0	0
01/14/10		Woodland near the settlement Anastasievka	Wild species	0	1	1	0	0
02/16/10		Alexeyevsky, Gulkevichsky	Swine	45	3	3	0	0
02/26/10		Klyuchevskoy, Krylovsky	Swine	104	5	0	104	0
02/27/10		Forest track Kurgannaya Schel, preserve Goryachy Klyuch, Tuapsinsky	Wild species	0	1	1	0	0
TOTAL Swine and Wild Species				11,065	409	342	4,680	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>; <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>

ASF in Rostov Oblast (March 2009-continuing)

Veterinarians reported the first outbreak of ASF at the local hog farm in village Romanovskoe, Rostov Oblast on April 1, 2009. On September 27, pigs started to die-off at a large hog farm, and after lab tests revealed ASF, media reports indicated 4,000 pigs were destroyed in efforts to contain the spread of disease. Then, from September 27 to October 24, 2009, the media reports veterinarians registered 21 locations of ASF in five rayons of Rostov oblast, which included the findings of 84 dead pigs. However, only 16 locations in the five presumed rayons (Tsimlyansky, Morozovsky, Konstantinovskiy, Krasnosulinsky, and Remontnensky) were officially reported to the OIE, accounting for 66 of the dead. According to Rostov's Minister of Agriculture, by November 13, 10,776 pigs were destroyed and 10,938 were slaughtered in order to contain the infection, a number also significantly above official data (See Table 8).

Table 8: Reported ASF Activity in Rostov Oblast since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
03/28/09	05/11/09	Romanovka village, Salsky	Swine	2,000	32	32	1,968	0
09/27/09	11/17/09	Krasnoyarskaya, Tsimlyansky	Swine	3,727	29	29	3,698	0
10/01/09	11/18/09	Hamlet Shirokoatamansky, Morozovsky	Swine	279	10	4	275	0
10/01/09	01/15/10	Hamlet Loznoy, Tsimlyansky	Swine	1	1	1	0	0
10/01/09	01/15/10	Novotsimlyanskaya, Tsimlyansky	Swine	1	1	0	1	0
10/02/09	11/09/09	Hamlet Sibir'ki, Morozovsky	Swine	2	2	2	0	0
10/02/09	11/17/09	Hamlet Obschy, Morozovsky	Swine	200	11	7	193	0
10/02/09	01/15/10	Hamlet Nikolaev, Morozovsky	Swine	4	4	4	0	0
10/02/09	01/15/10	Hamlet Gruzinov, Morozovsky	Swine	2	2	2	0	0
10/03/09	01/15/10	Hamlet Kamyshny, Konstantinovsky	Swine	3	3	3	0	0
10/03/09	01/15/10	Nikolaevskaya, Konstantinovsky	Swine	2	2	2	0	0
10/03/09	01/15/10	Hamlet Kryukov, Konstantinovsky	Swine	1	1	1	0	0
10/05/09	01/15/10	Bogoyavlenskaya, Konstantinovsky	Swine	248	1	1	247	0
10/06/09	11/18/09	Hamlet Antonov	Swine	487	11	3	484	0
10/18/09	01/15/10	Hamlet Vlasov, Morozovsky	Swine	102	5	5	97	0
10/20/09	11/06/09	Gukovo town, Krasnosulinsky	Swine	6	1	1	5	0
10/20/09	01/15/10	Remontnoe, Remontnensky	Swine	3	1	1	2	0
10/26/09	01/15/10	Hamlet Middle Manych, Veselovsky	Swine	15	15	15	0	0
11/05/09	01/15/10	Hamlet Troitsky	Swine	2	2	2	0	0
11/20/09	01/15/10	Hamlet Kholodny, Volgodonsky	Wild species	0	2	2	0	0
12/04/09	01/14/10	Konstantinovsk, Konstantinovsky	Swine	0	3	3	0	0
02/26/10		Gukovo	Swine	358	57	37	321	0
TOTAL Swine and Wild Species				7,443	196	157	7,291	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>; <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>

ASF in Leningrad oblast (October 2009-January 2010)

ASF's attention in the media and within the Ministry of Agriculture escalated when authorities discovered ASF near St. Petersburg. As the press recounts the events, on October 16, a few pigs started to die-off in the territory of the military unit No. 11115 in village Mga, Leningrad Oblast. Sometime later, the remaining nine pigs in the herd were culled. On October 20, Leonid Fogel, Chief Veterinary Inspector of Leningrad oblast informed the media that ASF was confirmed in lab. As a result, Agriculture Minister Yelena Skrynnik called a meeting to localize the ASF outbreak and charged Sergey Dankvert, Head of VPSS, to take all necessary measures to prevent further spread of the disease.

An investigation by VPSS and the Ministry of the Interior concluded ASF was transmitted through waste feed, containing meat shipped from the south of Russia. No other findings outside Russia's south have since been reported (See Table 9).

Table 9: Reported ASF Activity in Leningrad Oblast since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
10/01/09	01/05/10	Settlement Mga, Kirovsky	Swine	14	8	7	7	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>

ASF in Kalmykiya (October 2009-January 2010).

On October 5, 2009, two swine carcasses were found at a dump nearby village Yalashta, Kalmykiya, and lab tests later revealed ASF. Later reports on November 04, 2009, regarding the findings of two more sick pigs earlier in the week also noted this would result in destroying over 900 head in the local village. However, this action can not be confirmed (See Table 10).

Table 10: Reported ASF Activity in Kalmykia since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
10/10/09	01/15/10	Yashalta, Yashaltinsky	Swine	2	2	2	0	0
11/02/09	01/15/10	Priyutnoe, Priyutnensky	Swine	2	2	0	2	0
11/19/09	01/15/10	City of Elista	Swine	1	1	1	0	0
TOTAL Swine and Wild Species				5	5	3	2	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>

Appendix A: Russia's Reported Outbreaks of ASF to the OIE since 2007

Date Outbreak Started	Date Outbreak Resolved	Outbreak Location	Affected Animals					
			Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
11/05/07	12/29/08	Along the Argoun and the Shatoy-Argoun rivers, CHECHENSKAYA RESPUBLIKA	Wild species	5	5	4	1	0
01/20/08	12/29/08	Urochishche Tovzhna, Shatoysky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	0	1	0
06/07/08	12/29/08	Shatoysky, Shatoysky, CHECHENSKAYA	Wild	0	1	1	0	0

		РЕСПУБЛИКА	species					
06/27/08	12/25/08	Sunzha, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	3,234	56	56	0	3,178
06/28/08	10/20/08	Komgaron, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	373	22	22	0	351
06/28/08	10/20/08	Tarskoje, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	561	192	192	0	369
06/28/08	12/29/08	Verkhneje Sanibo, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Wild species	0	38	38	0	0
06/28/08	10/16/08	Rural settlement Khataldon, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	505	1	1	0	504
06/28/08	10/20/08	Verkhnyaya Saniba, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	332	20	20	312	0
07/04/08	08/29/08	Tsrau, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	432	12	12	420	0
07/04/08	06/01/09	Mairamadag, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	429	344	344	85	0
07/09/08	10/16/08	Biragzang, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	617	20	20	0	597
07/09/08	12/25/08	Nogir, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	2,569	2	2	0	2,567
07/09/08	11/10/08	Settlement Tsementny, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	844	20	20	0	824
07/10/08	09/08/08	Settlement Chernorechye, Orenburgsky, ORENBURGSKAYA OBLAST	Swine	150	94	94	0	56
07/15/08	08/18/08	Settlement UZK, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	258	88	88	170	0
07/18/08	10/14/08	Settlement Akhsarisar, Irafsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	335	112	112	0	223
07/20/08	10/30/08	Vladikavkaz city, RESPUBLIKA SEVERNAYA OSETIYA	Swine	52	44	44	8	0
07/21/08	06/01/09	Settlement Surkh-Digora, Irafsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	820	1	1	819	0
07/21/08	10/20/08	Settlement Mikhailovskoye, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	226	63	63	0	163
07/21/08	12/29/08	Sunzhensky, Sunzhensky, INGUSHSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
07/21/08	10/27/08	Settlement Kora-Urson, Digorsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	487	2	2	0	485
07/21/08	10/16/08	Settlement Ramonovo, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	176	1	1	0	175
07/21/08	08/26/08	Alkhanchurt, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	232	232	232	0	0
07/21/08	09/01/08	Dur-Dur, Digorsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	1,173	272	272	901	0
07/25/08	12/29/08	Alagirsky, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Wild species	0	1	1	0	0
07/30/08	09/02/08	Zaramag, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	49	33	33	16	0
08/10/08	09/19/08	Kardzhin, Kirovsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	453	2	2	451	0
08/10/08	09/22/08	Michurino, Ardonsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	56	8	8	48	0
08/21/08	12/29/08	Lesken, Irafsky, RESPUBLIKA SEVERNAYA OSETIYA	Wild species	0	1	1	0	0
08/28/08	12/03/08	Novy Batacoyurt, Pravoberezhny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	2,413	162	162	2,251	0
08/29/08	12/08/08	Ardon, Ardonsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	661	39	36	625	0
09/03/08	12/08/08	Kirovo, Ardonsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	2,627	114	114	2,513	0
09/08/08	12/08/08	Kosta, Ardonsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	2,073	127	127	1,946	0
09/14/08	10/20/08	Settlement Oktyabrskoye, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	239	4	4	235	0
09/29/08	12/03/08	Suadag, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	6	6	6	0	0
10/02/08	12/03/08	Dzuarikau, Alagirsky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	91	9	9	0	82
10/15/08	12/06/08	Gorkaya Balka village, farm 1, Sovetsky, STAVROPOL'SKIY KRAY	Swine	460	120	120	0	340
10/15/08	12/06/08	Gorkaya Balka village, farm 2, Sovetsky, STAVROPOL'SKIY KRAY	Swine	440	41	7	0	433
10/26/08	12/06/08	Gorkaya Balka, Sovetskiy, STAVROPOL'SKIY KRAY	Swine	2,130	20	5	63	2,062
10/27/08	12/06/08	Grushevskoye, Aleksandrovskiy, STAVROPOL'SKIY KRAY	Swine	298	1	1	0	297

10/27/08	12/06/08	Staropavlovskaya, Kirovskiy, STAVROPOL'SKIY KRAY	Swine	998	2	2	0	996
10/29/08	12/06/08	Yutsa, Predgorniy, STAVROPOL'SKIY KRAY	Swine	221	2	2	1	118
10/29/08	01/11/09	"Kuban" pig farm, Novokubansky, KRASNODARSKIY KRAY	Swine	6,798	298	245	538	0
10/29/08	12/29/08	Cossack Assinovskaya, Sunzhensky, INGUSHSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
12/03/08	04/03/09	Game husbandry "El'brusskoye", El'brussky, KABARDINO-BALKARSKAYA RESP.	Wild species	114	1	0	1	0
01/04/09	06/01/09	Plastunka, Khostinsky, KRASNODARSKIY KRAY	Swine	265	10	2	263	0
01/08/09	02/15/09	Rostovanovskoye, Kursky, STAVROPOL'SKIY KRAY	Swine	2,500	125	125	2,375	0
01/12/09	06/01/09	Isolated farmstead Privol'ny, State nature reserve "Beshtaugorsky", Mineralovodsky, STAVROPOL'SKIY KRAY	Wild species	140	1	0	1	0
01/14/09	06/01/09	Reserve "Debri", Georgiyevsky, STAVROPOL'SKIY KRAY	Wild species	140	10	10	51	0
02/03/09		"Krasnaya Zvezda", 2km from settlement Shevchenkovskoe, Krylovskiy, KRASNODARSKIY KRAY	Swine	3,851	77	77	3,774	0
03/01/09	06/01/09	Urvansky, Urvansky, KABARDINO-BALKARSKAYA RESP.	Wild species	101	2	2	0	0
03/01/09		Novopokrovskaya, Novopokrovsky, KRASNODARSKIY KRAY	Swine	2	2	2	0	0
03/03/09	06/01/09	Giezel, Prigorodny, RESPUBLIKA SEVERNAYA OSETIYA	Swine	248	16	0	94	154
03/07/09	03/27/09	Divnoye village, Apanasenkovsky, STAVROPOL'SKIY KRAY	Swine	23	15	13	10	0
03/15/09	06/01/09	Kievka village, Apanasenkovsky, STAVROPOL'SKIY KRAY	Swine	189	45	45	144	0
03/27/09	03/29/09	Divnoye village, Apanasenkovsky, STAVROPOL'SKIY KRAY	Swine	6	2	0	6	0
03/28/09	05/11/09	Romanovka village, Salsky, ROSTOVSKAYA OBLAST	Swine	2,000	32	32	1,968	0
03/29/09	04/01/09	Kievka village, Apanasenkovsky, STAVROPOL'SKIY KRAY	Swine	18	7	0	18	0
04/27/09	05/12/09	Shelkovsky, Shelkovsky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
04/28/09	05/12/09	Cossack, Naursky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
04/30/09	05/12/09	Nadezhda, Shakovsky, STAVROPOL'SKIY KRAY	Swine	1,349	300	124	176	0
05/05/09	05/12/09	Berkat-Yurt, Groznensky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
05/05/09	05/12/09	Forest tract in the area of Ilashanyurt village, Gudermessky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
05/07/09	05/12/09	Shelkovsky's preserve "Parobochevsky", Shelkovsky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
05/09/09	05/12/09	Shalinsky, Shalinsky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
05/09/09	05/12/09	Forest tract in the area of Koshkeldy, Gudermessky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
09/11/09	01/26/10	Forest tract, Karakol game holding, Tarumovsky, RESPUBLIKA DAGESTAN	Wild species	0	2	2	2	0
09/13/09	01/28/10	Forest tract, Bryansk game holding, Kizlyarsky, RESPUBLIKA DAGESTAN	Wild species	0	1	1	0	0
09/27/09	11/17/09	Krasnoyarskaya, Tsimlyansky, ROSTOVSKAYA OBLAST	Swine	3,727	29	29	3,698	0
10/01/09	11/18/09	Hamlet Shirokoatamansky, Morozovsky, ROSTOVSKAYA OBLAST	Swine	279	10	4	275	0
10/01/09	01/15/10	Hamlet Loznoy, Tsimlyansky, ROSTOVSKAYA OBLAST	Swine	1	1	1	0	0
10/01/09	01/15/10	Novotsimlyanskaya, Tsimlyansky, ROSTOVSKAYA OBLAST	Swine	1	1	0	1	0
10/01/09	01/05/10	Settlement Mga, Kirovsky, LENINGRADSKAYA OBLAST	Swine	14	8	7	7	0
10/02/09	11/09/09	Hamlet Sibir'ki, Morozovsky, ROSTOVSKAYA OBLAST	Swine	2	2	2	0	0
10/02/09	11/17/09	Hamlet Obschy, Morozovsky, ROSTOVSKAYA OBLAST	Swine	200	11	7	193	0
10/02/09	01/15/10	Hamlet Nikolaev, Morozovsky, ROSTOVSKAYA OBLAST	Swine	4	4	4	0	0
10/02/09	01/15/10	Hamlet Gruzinov, Morozovsky, ROSTOVSKAYA OBLAST	Swine	2	2	2	0	0

		ROSTOVSKAYA OBLAST						
10/03/09	01/15/10	Hamlet Kamyshny, Konstantinovsky, ROSTOVSKAYA OBLAST	Swine	3	3	3	0	0
10/03/09	01/15/10	Nikolaevskaya, Konstantinovsky, ROSTOVSKAYA OBLAST	Swine	2	2	2	0	0
10/03/09	01/15/10	Hamlet Kryukov, Konstantinovsky, ROSTOVSKAYA OBLAST	Swine	1	1	1	0	0
10/05/09	01/15/10	Bogoyavlenskaya, Konstantinovsky, ROSTOVSKAYA OBLAST	Swine	248	1	1	247	0
10/06/09	11/18/09	Hamlet Antonov, ROSTOVSKAYA OBLAST	Swine	487	11	3	484	0
10/08/09		Prigorodnoye village (tract), Groznensky, CHECHENSKAYA RESPUBLIKA	Wild species	0	1	1	0	0
10/10/09	01/15/10	Yashalta, Yashaltinsky, KALMYKIYA-KHAL'MG TANGCH	Swine	2	2	2	0	0
10/18/09	01/15/10	Hamlet Vlasov, Morozovsky, ROSTOVSKAYA OBLAST	Swine	102	5	5	97	0
10/20/09	11/06/09	Gukovo town, Krasnosulinsky, ROSTOVSKAYA OBLAST	Swine	6	1	1	5	0
10/20/09	01/15/10	Remontnoe, Remontnensky, ROSTOVSKAYA OBLAST	Swine	3	1	1	2	0
10/26/09	01/15/10	Hamlet Middle Manych, Veselovsky, ROSTOVSKAYA OBLAST	Swine	15	15	15	0	0
11/02/09	01/15/10	Priyutnoe, Priyutnensky, KALMYKIYA-KHAL'MG TANGCH	Swine	2	2	0	2	0
11/05/09	01/15/10	Hamlet Troitsky, ROSTOVSKAYA OBLAST	Swine	2	2	2	0	0
11/10/09	01/15/10	Bogdanovka, Stepnovsky, STAVROPOL'SKIY KRAY	Swine	1	1	1	0	0
11/10/09	01/15/10	Razdolnoye village, collective farm "Ukraina", Mozdoksky, RESPUBLIKA SEVERNAYA OSETIYA	Swine	1	1	1	0	0
11/18/09	01/15/10	Village of Novomonastyrskoye, Kizlyarsky, RESPUBLIKA DAGESTAN	Swine	1	1	1	0	0
11/18/09		Sochi State preserve, KRASNODARSKIY KRAY	Wild species	0	6	6	0	0
11/19/09	01/15/10	City of Elista, KALMYKIYA-KHAL'MG TANGCH	Swine	1	1	1	0	0
11/20/09	01/15/10	Hamlet Kholodny, Volgodonsky, ROSTOVSKAYA OBLAST	Wild species	0	2	2	0	0
12/04/09	01/14/10	Konstantinovsk, Konstantinovsky, ROSTOVSKAYA OBLAST	Swine	0	3	3	0	0
12/04/09		Tract "Shirokoye", Sochi Republican State Natural Preserve, Lazarevsky, KRASNODARSKIY KRAY	Wild species	0	2	1	1	0
12/04/09		Laura Cordon, Sochi Republican State Natural Preserve, Sochi, KRASNODARSKIY KRAY	Wild species	0	3	3	0	0
12/12/09		Region of the mountains Shassi, Apsheronsky, KRASNODARSKIY KRAY	Wild species	0	1	1	0	0
12/17/09		Region of the mountain ridge "Skazheny", Maikopsky, RESPUBLIKA ADYGEYA	Wild species	0	1	1	0	0
01/14/10		Woodland near the settlement Anastasievka, KRASNODARSKIY KRAY	Wild species	0	1	1	0	0
02/16/10		Alexeyevsky, Gulkevichsky, KRASNODARSKIY KRAY	Swine	45	3	3	0	0
02/26/10		Klyuchevskoy, Krylovsky, KRASNODARSKIY KRAY	Swine	104	5	0	104	0
02/26/10		Gukovo, ROSTOVSKAYA OBLAST	Swine	358	57	37	321	0
02/27/10		Forest track Kurgannaya Schel, preserve Goryachy Klyuch, Tuapsinsky, KRASNODARSKIY KRAY	Wild species	0	1	1	0	0

Source: OIE <http://www.oie.int/wahis/public.php?page=event_summary&this_country_code=RUS&reportid=8462>; <http://www.oie.int/wahis/public.php?page=event_summary&reportid=6546>