Liquid Bird Repellent for Airport





REPUBLIC OF KOREA AIR FORCE

with

EZFLEX CO.LTD



EZFlex Co., Ltd.

INFORMATION FOR PRODUCT &
TEST REPORT

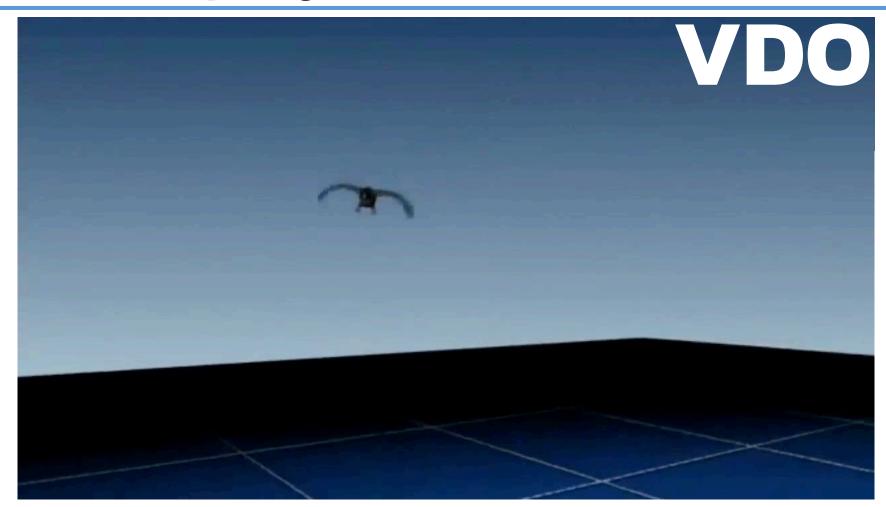


EZFlex Co., Ltd.

VDO FOR PRODUCT USAGE



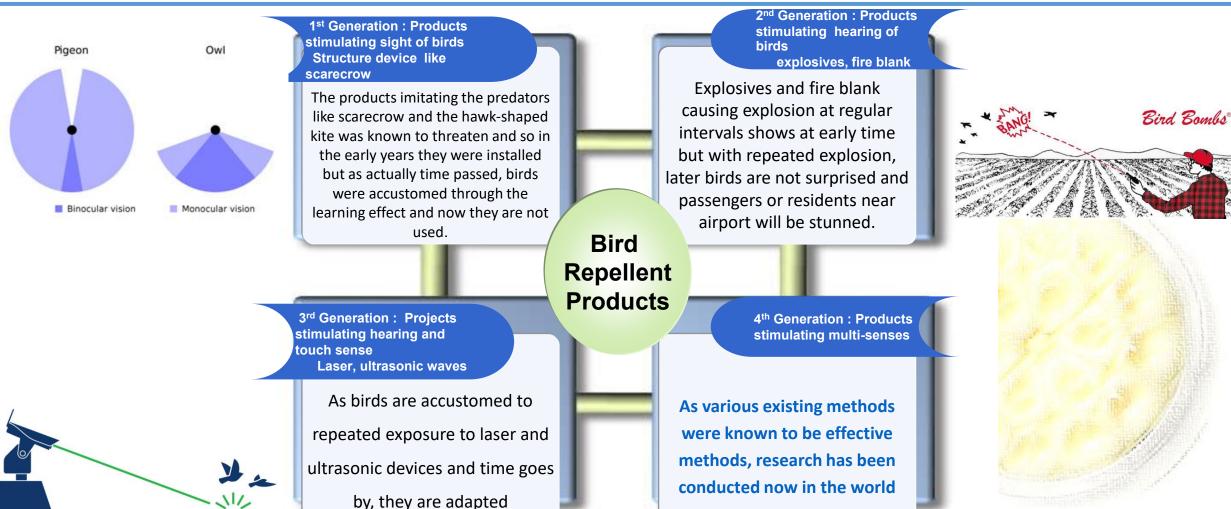
Company Introduction







Generational Type of Bird Repellent Product





Summary of Products

	Spray-type Repellent	Structure Repellent
Principle of how products work	Cause the repulsion to central nerves through the taste stimulation of birds and stimulate retina and smell and cause the natural dodging through strong multi-senses to prevent the repeated learning.	Cause the stimulation of multi-senses(sight, touch sense, smell, hearing) and cause fear to prevent immediately birds and as the repellent resists climate change(rain, and snow), the products continue to show the effect for the long term without climate.
Characteristics of Products	 ▶ Show the strong dodging effect as the eco-friendly product without harm to the environment and human body with natural perfume derived from plant ▶ Able to spray simply through existing spraying vehicle airport has kept ▶ Ease the difficulties of burden by spraying in the matter of 5 days rather than daily spraying 	 ▶ Able to install tailored to the damaged field and format ▶ Simple product produced to enable to construct easily and simply ▶ Product with trust as the products with patents. ▶ Product completing the verification of installation over 30,000 cases ▶ Consistent effect without climate change as products are strong to climate change like snow and rain
Product stability in its aspect of human body and environment	Gotten Test Report commissioned by Korea Conformity Labora metal harmful to human body and environment	atories which is the test certification about whether products include heavy



Summary of Products

	Structure Repellent
Product Photo	
Name	Sairen and Soft Gel (for structure)
Main Element	Natural Herb Extract and others
Persisting Effect	Different depending on climate change, but in case of outdoor 3~5 years and in case of outdoor more than 5 years(But, effect guaranteeing period is 2 years).
Principle of how the products work	Cause the stimulation of multi-senses(sight, touch sense, smell, hearing) and cause fear to prevent immediately birds and as the repellent products resist climate change(rain, and snow), the products continue to show the effect in the long term regardless of climate.
Stability to Human	No harm to human body by using material registered in FDA of USA and natural herb extract



Summary of Products

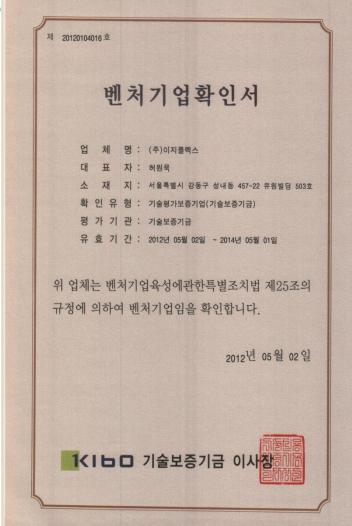
	Spray-type Repellent
Product Photo	Sairei Sairei
Name	Sairen and Spray-type
How to use	After using spraying vehicle owned by airport and diluting 25:1 with water, products will be sprayed for 3 days in a row at early stage every 5 day.(refer to the attached detailed manual
Main Element	Mixture of natural herb extract
Package Unit	20kg.
Principle of How the products work	Cause repulsion and stimulate retina and smell at the same time by stimulating central nerve as well as sense of taste when birds eat bugs or plants exposed to the chemicals by spraying the products to grass or lawn. Eco-friendly fluid -type bird repellent products to prevent the re-access by making learning impossible through multi-senses stimulation of birds.
Stability of Human	Product M - main ingredient is mixture of natural herb extract, which makes it harmless to human and harmless to environment





Business Lience







Certificate

ISO 9001:Certificate of 2008

Quality Management System





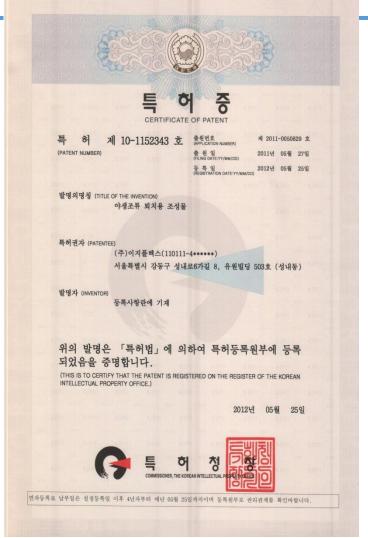


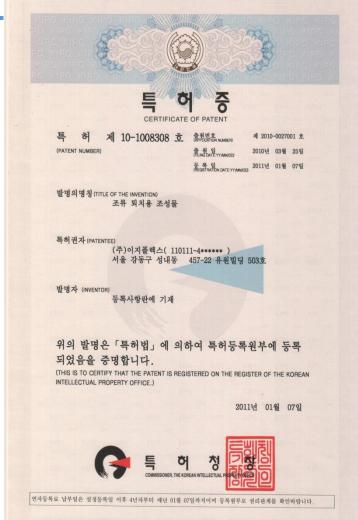






Certificate of Patent :
Composition for
Wild Birds Repellent



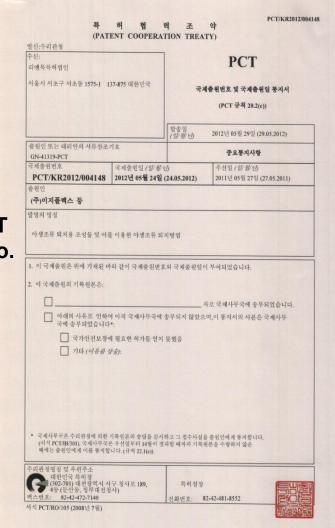


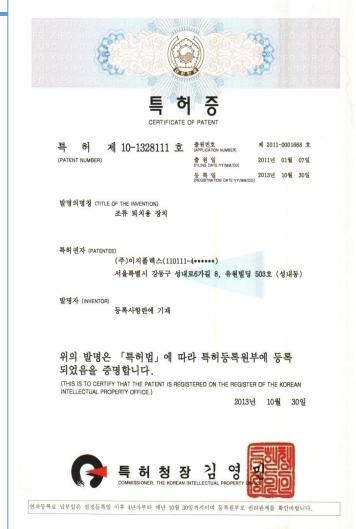


Certificate



Notice of Composition PCT International Application No. for Bird Repellent



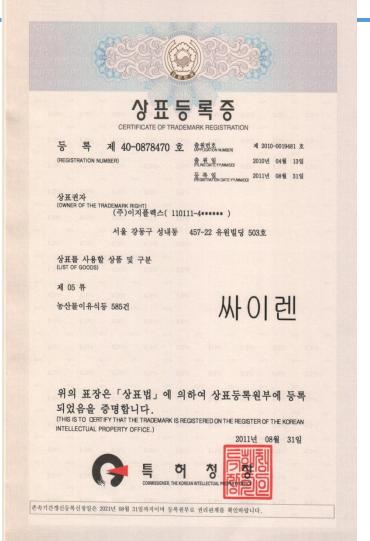


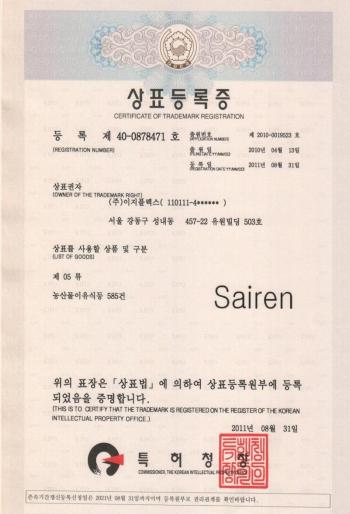


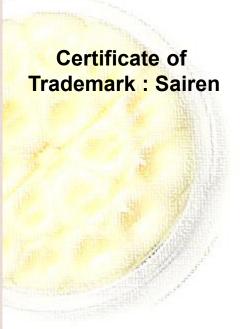
Certificate

Pest

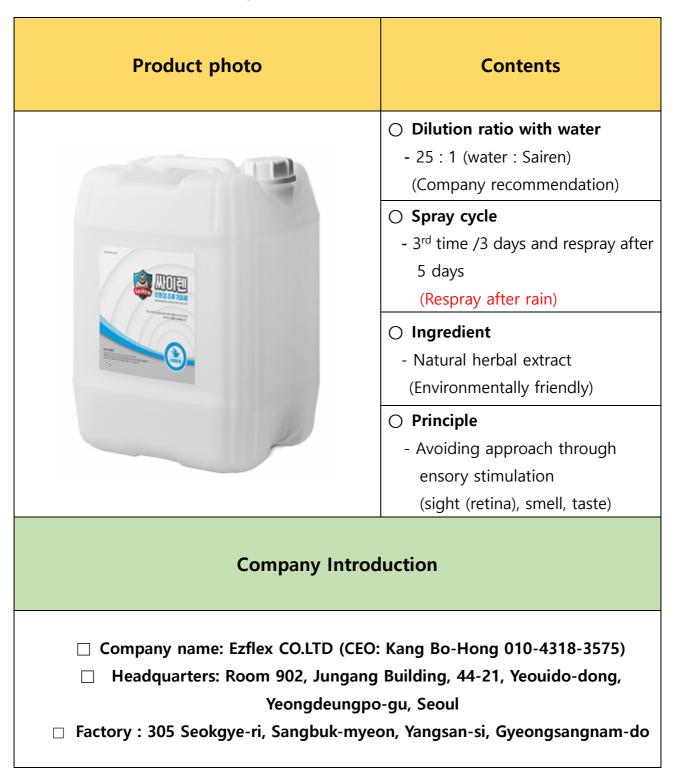
Certificate of Trademark : Sairen





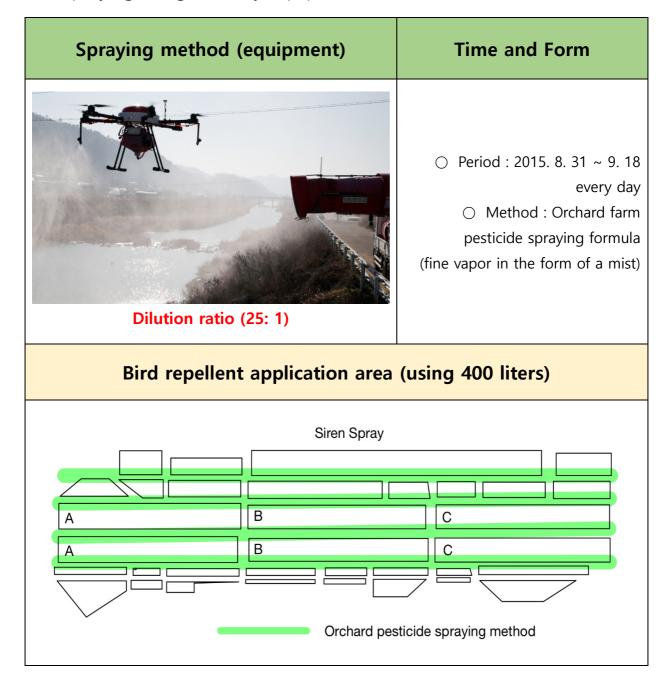


☐ Liquid bird repellent ingredients and support companies



\square Bird repellent spray

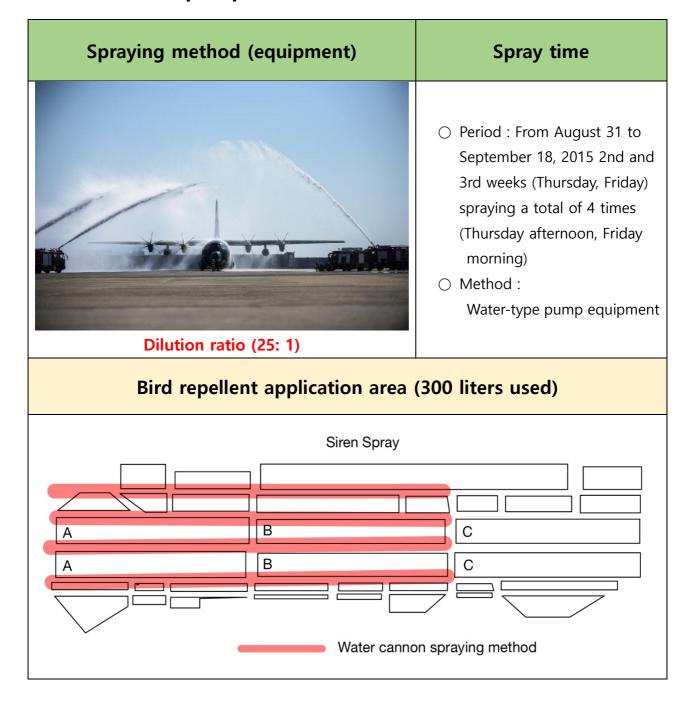
▲ Spraying using ancillary equipment



Advantages and Disadvantages of Spreading Equipment

- Advantages: Reduction of labor by spraying using automated equipment and a rather wide range of diffusion by spraying in the form of vapor
- Disadvantages: The scent of the solution is not strong due to the vapor type spray, and the scent persistence is lowered as the diffusion range is widened.

▲ Spraying using the operation company's own equipment (Water stream pump)



Advantages and Disadvantages of Spreading Equipment

- Advantages: The fragrance of the solution is strong due to spraying in the form of a stream, and the fragrance around the spraying area Sustainability
- Disadvantages: Fatigue of the operator by spraying using manpower

□ Conclusion

Until now, we have been using a variety of equipment(Gas bomber, Blast bomb, Shotgun, Scarecrow, Glitter line) to exterminate birds, but we have been experiencing many difficulties as the number of individuals has not decreased.

The liquid bird repellent tested was effective and after two weeks of continuous spraying, it was able to experience a rapid decrease in population from the third week. In addition, some birds returned in Week 5, but the population was significantly reduced.

Liquid bird repellent test report

REPUBLIC OF KOREA AIR FORCE With EZFLEX CO.LTD

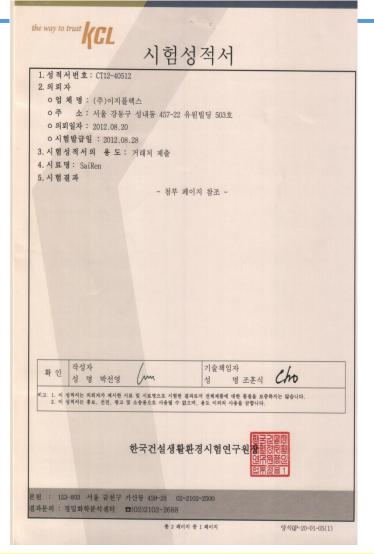


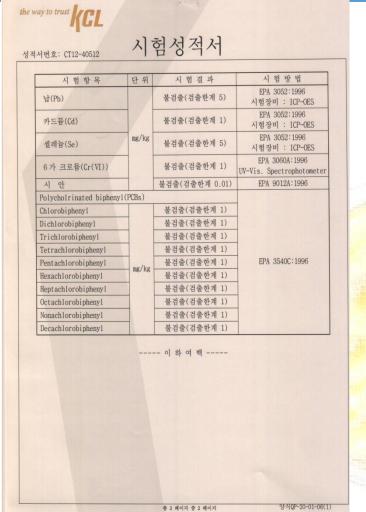


Certificate



Test Report







$\ \ \, \triangle$ Detailed application status of liquid bird repellent

- $\bigcirc \ \ \text{Weeks 1 to 3: Spraying using ancillary equipment (fin steam) Spraying every day (except holidays)}$
- O 2 weeks, 3 weeks: Spraying using the operation company equipment (water stream type) Spraying neck and gold (total 4 times)
- \bigcirc 4 weeks, 5 weeks: No repellent spray (Effect persistence analysis)

Repellent spray					Ohannatian kind								
Date	Time	Sunrise	Dilution ratio	Spraying capacity	Observation b	ird							
8. 31(M)	07:25	05:58	25 : 1	500 liters	Swallow300, Kestrel7,	Magpie10							
9. 1(T)	08:30	05:59	25 : 1	500 liters	Swallow800, Kestrel7, Magpie10								
9. 2(W)	08:05	05:59	25 : 1	500 liters	Swallow800, Kestrel5, Magpie7								
9. 3(T)	08:00	06:00	25 : 1	500 liters	Swallow800, Kestrel4, Magpie8								
9. 4(F)	08:00	06:00	25 : 1	500 liters	Swallow800, Kestrel5, Magpie7								
9. 5(S)	07:30	06:01	25 : 1	500 liters	Swallow500, Kestrel3,	Magpie5							
9. 6(S)		06:02											
9. 7(M)	08:00	06:03	25 : 1	500 liters	Swallow300, Kestrel5,	Magpie5							
9. 8(T)	08:30	06:04	25 : 1	500 liters	Swallow400, Kestrel3,	Magpie8							
9. 9(W)	08:05	06:05	25 : 1	500 liters	Swallow500, Kestrel3,	Magpie 10							
0.10(T)	08:00	06.06	25 : 1	500 liters	Swallow700, Kestrel0,	Magpie5							
9. 10(T)		06:06	25 : 1	600 liters									
0.44(5)	07:00	06.07	25 : 1	300 liters	Swallow200, Kestrel5,	Magpie5							
9. 11(F)	08:00	06:07	25 : 1	500 liters									
9. 12(S)	08:00	06:07	rain ı	until dawn	Swallow300, Kestrel0, Magpie6								
9. 13(S)		06:08											
9. 14(M)	08:00	06:09	25 : 1	500 liters	Swallow10, Kestrel4, Magpie0								
9. 15(T)	08:30	06:11	25 : 1	500 liters	Swallow50, Kestrel6,	Magpie8							
9. 16(W)	08:05	06:11	25 : 1	500 liters	Swallow500, Kestrel8, Magpie8								
9. 17(T)	08:00	06:12	25 : 1	500 liters	Swallow40, Kestrel3, Magpie4								
9. 17(1)	12:00	00.12	25 : 1	400 liters									
0 19/E)	07:00	06:12	25 : 1	300 liters	Swallow30, Kestrel4,	Magpie4							
9. 18(F)	08:00	06:12	25 : 1	500 liters									
9. 19 <mark>(S)</mark>	08:00	06:13		Swallow300("B" Parkin	g lot 150, Military officer 150), Kestrel0, N	Nagpie6							
9. 20 <mark>(S)</mark>		06:14											
9. 21(M)		06:15	No bird r	repellent spray	Swallow0, Kestrel3, Magpie6	Militaryofficer Magpie150							
9. 22(T)		06:16		и	Swallow0, Kestrel1, Magpie2								
9. 23(W)		06:16		и	Swallow0, Kestrel0, Magpie0								
9. 24(T)		06:17		и	Swallow0, Kestrel1, Magpie0	No Magpie							
9. 25(F)		06:17		и	Swallow0, Kestrel1, Magpie2	п							
9. 26 <mark>(S)</mark>		06:18		и									
9. 27 <mark>(S)</mark>		06:19		и									
9.28(M)		06:21		и	Swallow15, Kestrel2, Magpie6	line re-observation							
9. 29 <mark>(T)</mark>		06:21		и	Swallow100, Kestrel0, Magpie3, Crow3	observation							
9. 30(W)		06:22		и	Swallow5, Kestrel6, Magpie4, Crow2								
10. 1(T)		06:23		и	rain during the day								
10. 2(F)	08:00	06:24	25:1 Spraying with	n accessory equipment	Swallow15, Kestrel0, Magpie5, Calf30								

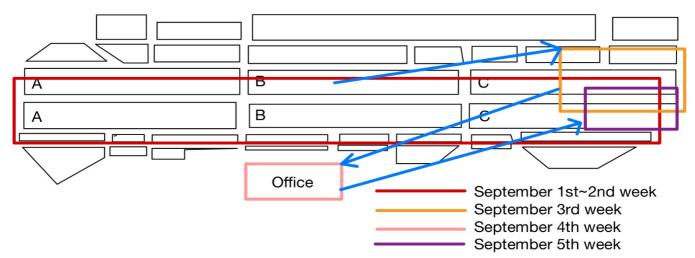
- ☐ Activity status by individual (Repellent sprayed for 1-3 weeks / No repellent sprayed for 4 weeks)
 - ▲ migratory bird (Swallow)

■ Water spray date display

Time		Sep	tem 1st			September 2nd				September 3rd					September 4th					September 5th					
Tittle		Sv	vallo	W		Swallow				Swallow					Swallow					Swallow					
	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F
06		80 0		80 0				150																	
07	90	80 0	800	68 0	99 0		40 0	300	50 0	20 0		50	200	4 0	3 0									Α	
08	200	93 0	800	80 0	83 0	300	40 0	300	30 0	20 0		30	300											r	3
09	100	80 0	800	80 0	90 0	300	30 0	300	40 0	15 0	5		300								15	10 0		m	
10		80 0	660			300	20 0	300	40 0	50			50											у	2 5
11						30	5	100															5	1	
12							20																	S	
13																									
14																								D	
15																								Α	
16																								Υ	
17	200					30				30															
18																									
Observation	500	80 0	800	80 0	90 0	300	40 0	500	70 0	20 0	6	50	300	4 0	3						15	10 0			3
average		50	00 ~ 99	90			20	00 ~ 70	00			6	~ 300				0 milita icer 1	-	(0		0	~ 100		
Gunshot Status	18	10			8	5	10	29	28	17		10	8												2

▲ Movement route of the Swallow activity area (East → North West end → Out of line (Office) → North West end)

Swallow activity analysis (September)



▲ Detailed analysis of Swallow activity

Weekly analysis

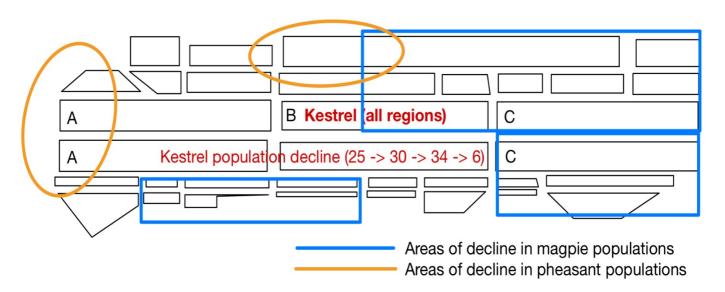
Contents	Spray method	Post-spray observation area	Reason (estimate)
1 ~ 3 weeks	Steam spraying method (0~9,000ft) (RWY, TWY edge of grass 3-5m)	East side, Middle (About 1,000 birds)	- The east side area is more than twice as wide as the west side area, but as the same amount is applied, there are relatively many areas outside the effect area. -The western area has relatively high continuity after spraying as low mountains are located adjacent to the taxiway and are less affected by the northwest wind.
2 weeks, 3 weeks (Thursday, Friday)	Water spray method (0~6,000ft) (RWY, TWY edge of grass 5~10m)	Northernmost area (300 birds)	- It is judged that the movement area was moved by avoiding the water spray areaThe number of observed individuals decreased significantly on Monday of the following week after water stream spraying (Thursday, Friday), but it is judged to increase again from Tuesday when the persistence decreases.
4 weeks	No spray (Steam spraying method on Friday)	No observation (Military Office Area 150)	- It is judged that it moved to the outskirts by avoiding the line due to continuous spraying in the line area for 3 weeks.
5 weeks	No spray	Northernmost area (Mon, Tue birds)	- After 2weeks of spraying the bird repellent, the persistence of the effect ends and the birds appear again.

▲ Resident birds (Kestrel, Magpie, Pheasant)

	S	Septe	embe	er 1s	it	September 2nd						Septe	embe	d	September 4th							
Time		K	(estr	el			Kestrel				Kestrel					Kestrel						
	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F		
06						3	3		3						4							
07	2			5		1	4			3		2	6				1					
08						1	1							3								
09								2	·		4	1										
10																			1			
11												1				1						
12																2						
13																						
14			3							2			1									
15		5																		1		
16												2	2									
17								2					6									
18	7				3	4		1				2										
Observation	9	5	3	5	3	9	8	5	3	5	4	8	15	3	4	3	1		1	1		
Observation			25			30			34					6								
Gunshot Status	2		1	2	1	2	1	1				5	1		2							

▲ Analysis of the activity of resident birds (in general, the number of active individuals decreased)

Residential bird (kestrel, magpie, pheasant) activity analysis (September)



Analysis of the effect of liquid bird repellent (Sairen) (9-1)

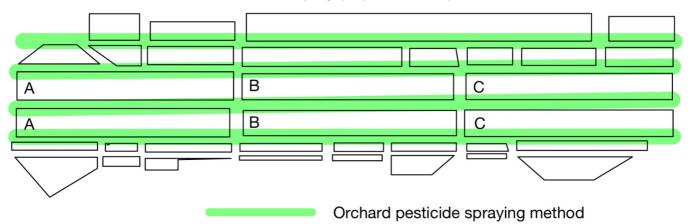
☐ Spraying Status and Birds Observed

September 1, 2015

9	Sairen spra	у	Dilution	Total	
Date	Time	Sunrise	ratio	spraying capacity	Observation bird
8. 31	07:25	05:58			Swallow300, Kestrel7, Magpie10
9. 1	08:30	05:59			Swallow800, Kestrel7, Magpie10
9. 2	08:05	05:59	25: 1	500 liters	Swallow800, Kestrel5, Magpie7
9. 3	08:00	06:00			Swallow800, Kestrel4, Magpie8
9. 4	08:00	06:00			Swallow800, Kestrel5, Magpie7

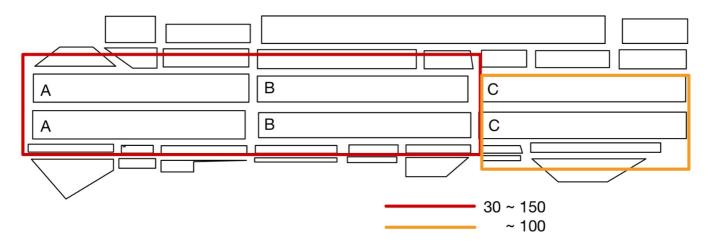
☐ Spray area

Siren Spray (September 1st)



☐ Analysis of swallow activity by location after spraying

Swallow activity analysis (September 1st week)



$\hfill \square$ Hourly bird activity analysis

T:		Analy	sis of	bird a	ctivity I	by individual weekly and hourly (threat obje								ects	ts around the runway)							
Time (Temperature)			Swallc	w	w Kestrel Magpie									ie	Egret and He				lero	ns		
(Temperature)	М	Т	W	Т	F	М	Т	W	T	F	М	T	W	Т	F	М	Т	W	Т	F		
06:00		800		800																		
(19)		800		800														15				
07:00	300	800	800	800	1,000	2			5									13				
(20)	300	000	000	000	1,000	۷			,							20						
08:00	200	800	800	800	800											20						
(21)	200	000	000	000	000																	
09:00	100	800	800	800	800																	
(22)	100	000	000	000	000																	
10:00		800	400																			
(25)		000	400																			
11:00																						
(27)																						
12:00											15	15	10	10	10							
(29)																						
13:00																						
(30)																						
14:00								3														
(30)																						
15:00							5															
(29)																						
16:00																						
(29)																						
17:00	100																					
(28)																						
18:00						7				3												
(27)	10	10			0	2		1	2	1						1			1			
Gunshot	18	10			8	2 Continues duri	ina th	1	2	1						1			1			
Analysis	-	Tempe			un	mainly on the	_				Cc		uatior		ing			nainly				
			rejecti	on		morning						t	he da	ay		mor	ning	and e	eveni	ng		
						Activity and	alysi	s stat	tus													
	Identif	ied ob	iect				Mai	n act	ivitv	loc	ation				Dai	ly		Guns	shot			
			ı												avera			Stat				
New ob	ject			olopad							seas				0 ~			2				
				Pheasa		East ar						sslan	d	\perp	4			2				
	Pestrel Over the runway							4~	7		6	i										
				Swallo	w	Grassland (dle, E East				t side	e R/W	<i>I</i> ,	800	0		36	6			
Existing o	bject			Ardeg	ua	"C" parki						cer f	ield		20)		1				
				Magp							ıxiway				15							
						South er							lot,		10			4				
				Pigeo	n 	Ungwandae									1							
						Gas bomber, Blast bomb, Shotgun, Shotgun, Scar Glitter line							carec	row,								
М	Main combat action												امينادا	(\4.:	·h							
						Chemicals Spraying insecticides and liquid bird repellent / liquid free cooperation with Ezflex)							iquid	(WI	LT1							
		free cooperation with Ezflex)																				

Analysis of the effect of liquid bird repellent (Sairen)(9-2)

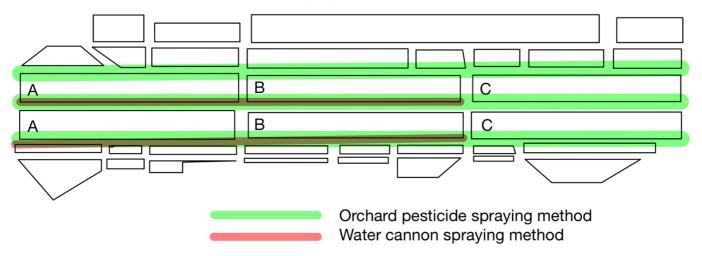
□ Spraying Status and Birds Observed

September 2nd, 2015

S	Sairen spra	у	Dilution	Total	
Date	Time	Sunrise	ratio	spraying capacity	Observation Bird
9. 7	08:00	06:03	25 : 1	500 liters	Swallow300, Kestrel5, Magpie5
9. 8	08:30	06:04	25 : 1	500 liters	Swallow400, Kestrel3, Magpie8
9. 9	08:05	06:05	25 : 1	500 liters	Swallow500, Kestrel3, Magpie10
9. 10	08:00	06:06	25 : 1	500 liters	Cycellow700 Vestralo Magnia
9. 10	14:00	06.06	25 : 1	600 liters	Swallow700, Kestrel0, Magpie5
0 11	07:00	06:07	25 : 1	300 liters	Cycellow200 Kestrell Magnic F
9. 11	08:00	06:07	25 : 1	500 liters	Swallow200, Kestrel5, Magpie5
9. 12	08:00	06:07	rain	till dawn	Swallow300, Kestrel0, Magpie6

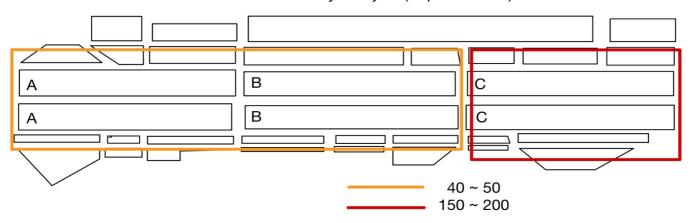
□ Spray area

Siren Spray (September 10, 11)



☐ Analysis of swallow activity by location after spraying

Swallow Activity Analysis (September 11)



$\hfill \square$ Analysis of bird activity by time

	Ana	lysis o	f bird	activit	y by i	ndividual	veekly and hourly (threat						objec	bjects around the runway)						
Time (Temperature)		9	Swallov	v			Kes	trel				Magpie			Eg			ret and Herons		
(Temperature)	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F
06:00			150			3	3													
(11)			130			3			3											
07:00		400	300	700	200	1	4													
(15)										3										
08:00	300	400	500	500	200	1	1													
(17)																				
09:00 (20)	300	300	500	400	150			2												
10:00																				
(24)	300	200	200	400	50															
11:00																				
(25)	10	5	100																	
12:00		20																		
(26)		20									7	8	7	10	10					
13:00																				
(27)																				
14:00																				
(27)																				
15:00										2										
(28) 16:00																				
(27)																				
17:00																				
(26)	30				30			2									1			
18:00																				
						4		1												
(25)	_	10	20	20	4-7															
Gunshot	5	10	29	28	17	2	1	1									1			
Analysis			is 1 hou dissolut			Consistent mostly activ	_		-		Cor	ntini	uatio	n du	ring	Che	ck m	nainly	in	the
Allalysis	idst W		30 minu		ciayea	-		nd eveni	-			t	he d	ay		mor	ning	and e	venir	ng
						Activity a	analy	ysis s	tatu	S										
															Dail	ly		Guns	shot	
	Identi	fied ol	oject				Ma	in ac	tivity	y lo	catio	n			avera	•		Stat	tus	
			red-f	ooted f	alcon			Acts	like	Kest	rel				0 ~			1(M	on)	
New o	bject					Mostly a	activ	e nea	r wat	ter, b	out o	ccasi	onall	у	_	2				
			mong	golian p	olover		S	een n	ear ı	runw	ays.				0 ~	?		1(Tu	ue)	
	Kestrel Over the runway				Kestrel			Kestrel				4~	7		4					
				Swallov	,	Grassla	and ((Midd	le, E	ast s	ide),	East	side		700			89	_ 	
Existing	ohiect			Svvanov	•		R	R/W, E	ast s	ide	T/W							0		
Existing	Joject			t & He				eron							1 ~ 3			1		
Magpie					"C", "F", "E" Area taxiways 15															
	Pheasant					North end of the Eest 4							1							
Main combat action					Gas bomber, Blast bomb, Shotgun, Shotgun, Scarecrow, Gli Spraying insecticides and liquid bird repellent / liquid (with								9							
	Main compat action					Chemicals		Spray	iiiy II	וושכנו					Ezflex		quiù	(VVILII	1166	
							<u> </u>					_ '								

Analysis of the effect of liquid bird repellent (Sairen)(9-3)

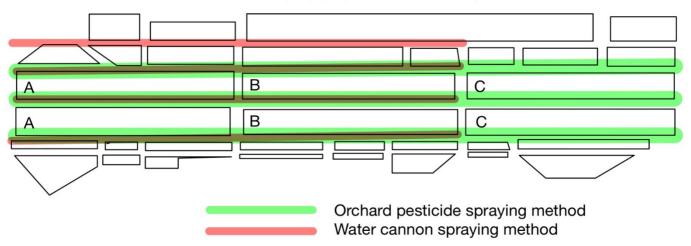
☐ Spraying Status and Birds Observed

September 3, 2015

S	Sairen spra	у	Dilution	Total	
Date	Time	Sunrise	ratio	spraying capacity	Observation bird
9. 14	08:00	06:09	25 : 1	500 liters	Swallow10, Kestrel4, Magpie0
9. 15	08:30	06:11	25 : 1	500 liters	Swallow50, Kestrel6, Magpie8
9. 16	08:05	06:11	25 : 1	500 liters	Swallow500, Kestrel8, Magpie8
9. 17	08:00	06:12	25 : 1	500 liters	Swallow40 Kastrol2 Magnig4
9. 17	12:00	06.12	25 : 1	400 liters	Swallow40, Kestrel3, Magpie4
0 10	07:00	06.12	25 : 1	300 liters	Cuallania O Kastral A Magnia A
9. 18	9. 18 08:00 06:12			500 liters	Swallow30, Kestrel4, Magpie4
9. 19	08:00	06:13	Swallow30	0("B" Parking lo	t 150, office 150) , Kestrel0, Magpie6

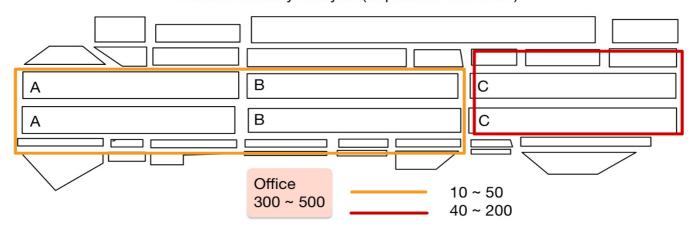
□ Spray area

Siren Spray (September 3rd week)



☐ Analysis of swallow activity by location after spraying

Swallow Activity Analysis (September 3rd week)



$\hfill \square$ Analysis of bird activity by time

	An	alysis	of bird	activ	ity by	y individu	al w	eekly	and	d ho	urly	(thr	eat o	bje	cts	aroui	nd tl	he ru	nwa	y)
Time			Swallov		Kes						lagpi	_		Egret and Herons						
(temperature)	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F
06:00																				
(11)										4										
07:00		F0	100	40	20		_	_						_						
(15)		50	100	40	30		2	6						2						
08:00		20	200						2				0		4					
(17)		30	300						3				8		4					
09:00			100			4	1													
(20)			100			4														
10:00			10																	
(24)			10																	
11:00							1													
(25)																				
12:00														2						
(26)																				
13:00																				
(27)																				
14:00								1												
(27)																				
15:00												9								
(28)																				
16:00							2	2												
(27)																				
17:00								6												
(26)																				
18:00							2													
(25)																				
Gunshot		10	8				5	1		2				1						
			ne numbe			Consistent t					(Con	tinua	tion	n As of this week, Egret and Herons					
Analysis			the active I in the res			mostly active over the runway in											are considered to have left the area (Habitat x)			
					,	Activity				JS	l									
						,									Da	ily		Guns	shot	
١	denti	ified o	bject			Main activity location									age		Staf			
New ob	niect		red-fo	oted fa	alcon	East 5~6,000ft								0 ~			1(Ti			
	,		150 10						- 0,0									1(M		
Owl Kestrel													0 ~	~ ?	L	1(W				
				Over the runway								4~	~7		8					
Existing object Swallow				Grassland (Middle, East side), East side R/W, East side T/W							30	00		18	3					
				Crow		,	West	side "[)" →	East s	side "E	3"			3	3		0		
			N	Иадріе				"F", "E							6	5		1		-
			Pl	heasant				orth er							(0		
	\	ا : جا مسم	o eti			Equipment										n, Scare				!
Main combat action					Chemicals		spray	nig ir	isecti			ıquıd ration			lent / l ex)	iiquld	(vvitn	iree		

Analysis of the effect of liquid bird repellent (Sairen)(9-4)

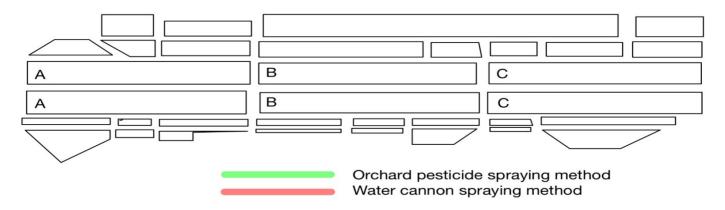
☐ Spraying Status and Birds Observed

September 4, 2015

Sairen spray		у	Dilution	Total							
Date	Time	Sunrise	ratio	spraying capacity	Observation bird						
9. 21		06:15			Swallow0, Kestrel3, Magpie6						
9. 22		06:16			Swallow0, Kestrel1 Magpie2						
9. 23	06:16 06:16		•	ember 4th epellent spray	Swallow0, Kestrel0 Magpie0	ie0 150 swallows Kestrel1					
9. 24					Swallow0, Kestrel1 Magpie0						
9. 25		06:16			Swallow0, Kestrel1 Magpie2						
9. 26			No Swallow	observation in the	Military Office area						

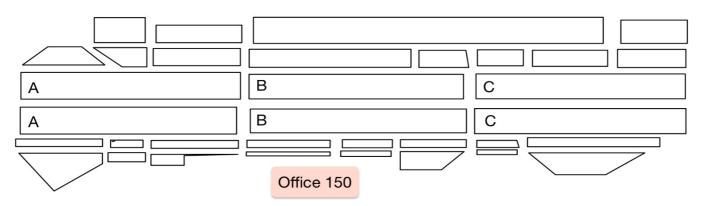
□ Spray area

Siren was not sprayed for 4 weeks in September(3 weeks effect coutinuation analysis)



☐ Analysis of swallow activity by location after spraying

Swallow Activity Analysis (September 4th week)



$\hfill \square$ Analysis of bird activity by time

	Ana	alysis	of b	ird a	ctivi	ity by indivi	dual	week	ly an	d ho	urly	(thr	eat o	bjed	cts a	arour	nd th	e rur	ıwa	y)
Time	Swallow						Kes						lagpi				Crow			,
(Temperature)	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	М	Т	W	Т	F
06:00																				
(12)																				
07:00							_										10			
(13)							1										10			
08:00																			1	
(16)																			1	
09:00																				
(18)																				
10:00									1						2					
(21)									ı						۷					
11:00						1														
(24)						'														
12:00						2										6				
(25)																Ü				
13:00																				
(25)																				
14:00												2								
(26)												_								
15:00										1										
(26)										•										
16:00																				
(25)																				
17:00											5									
(24)																				
18:00																				
(23)																				
Gunshot																	1			
Analysis	indivi	duals an (outside	in the number of the line dence are	to the a and in	ctive	Consistent throughout the day, but mostly active over the runway in the morning and evening objects) Continuation during day (reduced number objects)							ber o		Increa	ased crow movement				
						Act	ivity a	analysis	statu	S										
Ide	entifie	d obj	ect			Main activity location									Da aver	-	Gui	nshot	Stat	.us
New obj	ject			Calf		South west end									3	0		2		
	Existing object Swallow		Above the Southern end of the Eastern runway (Mainly sitting on the runway in the morning, it was easy to shoot, but in the 3rd week, there was less observation on the runway in the morning and on the runway)								-	2 ~	. 3	0						
Existing o			V	No activ	ity in t		ie area ence ai		erved f	rom	the		milit offi 15	cer		0				
				Crow				side "D						I	0 ~			0		
				1agpie				, "F", "E'						\downarrow	0 ~			0		
			Ph	neasar	nt	Factors	N	Orth en				Ch - 1	tau C	`ha±	((O):: C	0 littor li	nc	
Ma	in com	bat ac	tion			Equipment Chemicals		Gas bo					tgun, S edicine					ntter li	ne	
						Chemicals			110	applic	.สนบท	or me	-uicine	s an	u pir	и гере	nents			

Analysis of the effect of liquid bird repellent (Sairen)(9-5)

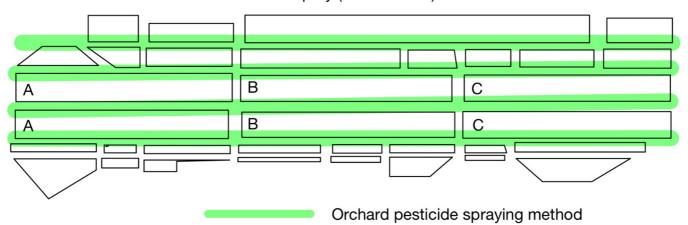
☐ Spraying Status and Birds Observed

September 5, 2015

	Sairen spra	ıy	Dilution	Total						
Date	Time	Sunrise	ratio	spraying capacity	Observation bird					
9. 28		06:21			Swallow15, Kestrel2, Magpie6					
9. 29		06:21	Septer	September 4th Swallow100, Kestrel0,						
9. 30		06:22	No bird re	pellent spray	Swallow5, Kestrel6, Magpie4, Crow2					
10.	l l	06:23			Rain during the day					
10.	2 08:00 06:24		25 : 1	300 liters	Swallow15, Kestrel0, Magpie5, Calf30					
	n the 5th w	eek of Sept	tember, there	e is no Swallow	activity in the residence area.					

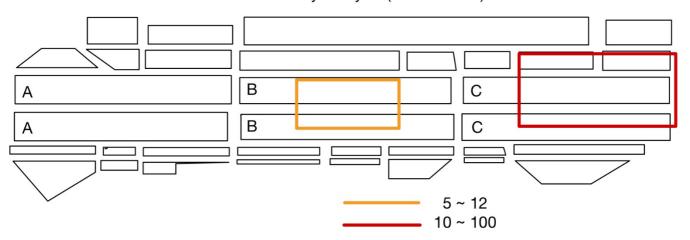
☐ Spray area

Siren Spray (October 2nd)



☐ Analysis of swallow activity by location after spraying

Swallow Activity Analysis (October 2nd)



$\hfill \square$ Analysis of bird activity by time

	An	alysis	of b	oird a	activ	ity by in	divi	dual	we	ekly	anc	d ho	urly	(th	threat objects around the runway)						
Time (Temperature)		Sw	/allov	v			Kes	trel					Ma	gpie	1		Crow				
(remperature)	М	Т	w	Т	F	М	Т	w	Т	F	М	Т	W	Т	F	М	Т	W	Т	F	
06:00																					
(12)																					
07:00				Α				1													
(13)				A				1													
08:00				,	15												3	2			
(16)				r	13												3				
09:00	15	100		m								3			5					6	
(18)	13	100		m								3			J					U	
10:00				V	15	2					6										
(21)				У	13	۷					0										
11:00			5	1																	
(24)			J																		
12:00				S				1					2								
(25)				3																	
13:00																					
(25)																					
14:00				D																	
(26)				D																	
15:00				а									2								
(26)				а																	
16:00				W																	
(25)				У																	
17:00								4													
(24)								4													
18:00																					
(23)																					
Gunshot					2			1												2	
Garisiiot					_			•								Increa	ased C	row M	oveme		
Analysis	Inact	tive last we	eek and	reappe	eared	Same nu	mber	as la	st we	eek	Sar	me n	umbe	r as	last week	Increased Crow Movement in the Morning					
						F	Activ	vity a	naly	/sis	statı	ıs							<u> </u>		
Ide	ntifie	ed obj	ect			Activity analysis status Main activity location									Daily ave	rage	GI	unsho	t Stat	us	
100		ou obj		Calf							5,000				30	age	0,)		
						This we							the								
	Kestrel				el .				ern r						2 ~ 3			1	1		
Existing object Swallow			(Same	e num	ber	as la	st we	ek)												
			Swalld	ow th					weel	k is		5 ~ 100)		2	2					
						obse				#F #		+									
			-	Crow		W					t side			+	2 ~ 6				2		
				Иадрі heasa			C",	⊢", "l	- Ar	ea ta	ixiway	S		+	2 ~ 6			() n		
			<u> </u>	ııcasd	111	Equipment		(-	ias h	omh	er. Rla	ast h	omh	Shot	gun, Shotgu	ın. Scare	ecrow				
Mai	in com	nbat act	ion				Spi								epellent / lic					with	
						Chemicals	<u> </u>								Ezflex)						

Liquid Bird Repellent for Airport





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EZFLEX CO.LTD



EZFlex Co., Ltd.

INFORMATION FOR PRODUCT &

TEST REPORT



EZFlex Co., Ltd.

VDO FOR PRODUCT USAGE