

HEALTH AND HYGIENE CLEANING AND DISINFECTING GUIDELINES BIRDS OR PREY



	BIRDS OR PREY							
Application	Application		Dilution /10 litre		Minimum Exposure			
BREEDING	G AND MOULTING CHAMBER/AVIARY		F10SC/SCXD	F10CL/CLXD				
Facing awa	sition of Aviary y from the prevailing wind direction, away from free ranging fowl, vicultural duck populations/collections, and pigeons. Keep away from torage, compost heaps, lawn clippings (= Aspergillus spores).							
Cages show contaminating should allow hatchery should be a	on of Aviary uld have independent access to common passageway to avoid cross- ion. Vermin and wild birds should be kept out. The layout of the aviary w Keeper to always move in the direction of younger to older birds. The lould be positioned on a site away from main aviaries. Good quality water livailable – if borehole water is used the quality should be tested regularly, in breeding season.							
Empty feed sets in rotal preparation	Agiene Daily Routine and water bowls, wash with water and spray with F10SC/F10CL (use 2 tion). Spray food ledges with F10SC/F10CL before placing food. All food surfaces should be sprayed with F10SC/F10CL before use. After use washed down with clean water and again sprayed with F10SC/F10CL.	Daily Daily	20ml 40ml	100ml 200ml	Leave to dry Leave to dry			
	arations: refer to "Special Considerations" section ing and after food preparation hands should be washed with F10 Hand		As is	As is	1 min			
	n feeding round on the same day, the Keeper must ensure that all hands; clothing are decontaminated. (Spray with F10SC/F10CL).	Daily	40ml	200ml	Leave to dry			
Personal H	lygiene							
	nel to be provided with overalls and gumboots, which are washed and daily with F10SC/F10CL.		40ml	200ml	Leave to dry			
Where no F10SC/F10	hand washing facilities exist use trigger spray bottles filled with CL or use F10 Hand Gel to frequently decontaminate hands. boots with F10SC/F10CL upon entry into each cage.	Every entry Every entry	As is 40ml	As is 200ml	Leave to dry			
Use a solut	Cleaning of Chambers tion of F919SC sufficient to fill pipes in the reticulation system, leave to minutes then flush out, opening one tap or micro jet at a time.	Every season	100ml	100ml	Leave for 20 mins and flush			
Repeat this	cycle with F10		20ml	100ml	Leave to dry			
	sure wash nest ledges (pea gravel) and Astro Turf surfaces with F10CLXD and replace nest material at the start of the season.		40ml	200ml	Leave to dry			
	iene: Scrub clean using F10SC/F10CL or F10SCXD/F10CLXD then of a leather treatment. Spray glove with F10SC/F10CL before use on ds.	Each use	40ml	200ml	Leave to dry			
Perches B	locks: Spray Astro Turf with F10SC/F10CL before placing bird.	Each use/daily	40ml	200ml	Leave to dry			
TRAVELLI	NG							
	ferably plastic, (avoid wooden boxes which will harbour Aspergillus spp) washed out and sprayed with F10SC/F10CL or F10SCXD/ F10CLXD.	After each use Leave to dry	40ml	200ml	Leave to dry			
organisms particular in and after tra	enerally should be used (birds can be present) to lower airborne micro- (Aspergillus sp spores) in the immediate environment of the birds and in terms of stress when they are more at risk, e.g. in quarantine, prior to avelling, change of ownership/accommodation, at the start of training or arious birds are left alone.	Daily and as Needed	40ml	200ml	30 min			
HIGH RISK	AREAS							
INCUBATION	ON ROOM AND INCUBATORS							
re-use. Pre	tion: Wash collection trays with F10SC/F10CL after use and spray before event cross contamination use F10 Hand Gel to decontaminate hands ests when collecting eggs and before/after handling during incubation.	Each use	40ml	200ml	Leave to dry			
	ing: Immediately after collection and before putting eggs in the incubator F10SC/F10CL to disinfect surface of clean eggs and lightly wash off any	Each collection	40ml	200ml	Leave to dry			
F10SC/F10	: At start of season strip and wash all (non-electrical) parts in ICL or F10CLXD. If the incubator has a natural evaporation tray fill with	Each season	40ml 40ml	200ml 200ml	Leave to dry			
	ICL. potential contamination in the incubator spray (3 to 4 puffs with a trigger lall incubators) with F10SC/F10CL	Daily	40ml	200ml	Leave to dry			
	Room: Clean with F10SCXD/F10CLXD or if heavily soiled use F919SC itres), rinse off, then (fog with F10SC/F10CL)	Weekly (Daily)	40ml	200ml	Leave to dry			
Equipment	t: Wipe clean with F10 Wipes or F10SC/F10CL, e.g. scales, candler, etc.	Daily	40ml	200ml	Leave to dry			





		Dilution		Minimum
Application		/10 litre		Exposure
PROCEED AND AND AND AND AND AND AND AND AND AN		F10SC/SCXD	F10CL/CLXD	
BROODER / REARING ROOM: As for incubation room and equipment				
BIO-SECURITY additional pre-cautions for quarantine areas No visitors should be allowed in the quarantine section All clinically affected birds should be quarantined upon detection				
Hard Surfaces – High Risk areas – Kitchen Cleaning from top down apply F10SC/F10CL or F10SC/F10CLXD to all surfaces e.g. walls, cupboards, fridge tops, microwave, waste bins, (spray inside new liner), floors and all hand contact surfaces such as taps, handles and switches.	Daily	40ml	200ml	Leave to dry
Before and after feed prep spray kitchen surfaces with F10SC/F10CL and dry off with paper towel.	Each feed	40ml	200ml	Leave to dry
Wipe off surfaces with clean water prior to applying F10SC/F10CL to prevent build up.	Twice monthly			
Feed containers – High Risk areas				
Wash all feed containers by hand in F10SC/F10CL and rinse off with clean water, or in dishwasher, then dip in F10SC/F10CL to sanitize. It is useful to have a 2 nd set of containers that have been pre-cleaned and sanitized. Use only boiled water in feed preparation.	Each feed	40ml	200ml	Leave to dry
Hand decontamination				
Wash hands with F10 Hand Scrub and dry with paper towel (1/4 fill soap dispenser to ensure frequent replenishing).	Before feed prep and handling	As is 4ml	As is 4ml	1min
Where handwashing facilities are not available or to decontaminate hands between handling of individual birds use F10 Hand Gel.	Every contact	As is 2ml	As is 2ml	Leave to dry
Overalls – High risk areas Clean overalls and hats should be worn at each entry. Wash overalls/hats then soak in F10SC/F10CL before drying.	Each wash	40ml	200ml	120 min
Boot Wash Step into bath or spray with portable sprayer using F10SC/F10CL Boots should be washed in F10SC/F10CL after each shift.	Every entry Daily	80ml 40ml	400ml 200ml	Leave to dry Leave to dry
Equipment				
$\label{eq:air_conditioners} \textbf{Air conditioners} - \textbf{Wash filters in F10SCXD/F10CLXD} \ and \ rinse \ off, \ then \ dip \ in F10SC/F10CLXD \ and \ leave \ to \ dry.$	Weekly	40ml	200ml	Leave to dry
Brushes, mops, squeegees, (non scratch) pads Wash in F10SCXD/F10CLXD and then rinse off. Dip in F10SC/F10CL and leave to dry.				

NOTE:

Caution

F10SC/F10CL must only be used in accordance with the recommended dilution. Care should be taken to avoid contact with eyes and mucus membranes.

1. Scratches, superficial cuts, fresh puncture wounds etc on feet ["hunting injuries"], as well as Grade 1 bumblefoot:
Daily application of **F10 Germicidal Barrier Ointment** (or quick drying, non-sticky, **F10 Hand Gel** if in sandy conditions). Wipe off oily layer from previous day's treatment with a 1:50 solution of F10CL before applying new layer. If in doubt obtain Veterinary advice to incorporate this surface treatment with correct parenteral antibiotic use if indicated as part of the integrated treatment plan. If left unattended, foot / toe injuries could rapidly deteriorate into a serious infection with temporary or even permanent loss of hunting

Special considerations:

- 3. Some Raptors are more susceptible than others to specific medical conditions; e.g. Golden Eagles, Gyrfalcons, Goshawks, and Snowy Owls are very susceptible to Aspergillosis airsacculitis. Predictable periods of high stress (new arrival, start of training, numbers of youngsters fledging into hacking cage from airconditioned boxes * [common practice in the Arabian Gulf] and / or high levels of challenge (high fungal spore counts due to seasonal weather conditions / agricultural practices), indicate high risk periods for these birds. Regular inhalation of F10SC/F10CL fog will assist in the prevention of this condition. Portable foggers, automated fogging systems in the case of e.g. air-conditioned boxes, such as used in evaporative cooling installations, and even the use of human nebulisers in the case of individual birds have all been highly successful in such cases, using F10SC @ 1:250 or F10CL @ 1:50 dilution, for periods of 15 20 min at a time, once but preferably twice a day (individual birds).
- 4. Skin conditions: individual birds occasionally develop fungal skin infections (dermatophytoses) [head, eyelids, cere, around mouth etc.), fungal &/ bacterial nailbed infections (paranychia) or infections of the beak. Topical, daily applications of F10 Germicidal Barrier Ointment or F10 Hand Gel. Individual cases with deep, established infections will need systemic antifungal drugs in addition as advised by your Veterinarian.
- 5. Care should be taken in the preparation of frozen meat food products to reduce the risk from Clostridium spp. It is suggested that the following routine be applied a) remove the frozen packs from the freezer and leave them in the fridge overnight, then the packs are taken and left at room temperature (23 25°C) for one or two hours, b) e.g. quails are then prepared (crushing of the long bones) and left in a double container to warm through (the outer container has warm water at around 41 to 43°C). This method avoids the food from being in contact with water, therefore the quails in the second container do not touch the water, but are warmed out through the contact of the warm walls of the container. Warming frozen food in a microwave oven or by leaving it to thaw in the sunlight should be avoided.

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