

**Table S1.** General information and farm management

PARAMETER	CATEGORY	PARAMETER	CATEGORY
DEPENDENCE	Integrated	BED COMPOSTING METHOD	Fermentation
	Independent		None
	Company 3	PRESENCE OF <i>Alphitubius diaperinus</i>	Yes
	Company 1		No
COMPANY	Company 2	RAT CONTROL	Yes
	Company 4		No
	Company 5	INSECT CONTRO	Yes
	Others		No
FARM CAPACITY	Less than 26.000 birds	<i>Alphitubius diaperinus</i> CONTROL	Yes
	28.000 - 87.000 birds		No
	More than 88.000 birds	ANTICOCCIDIAL CONTROL METHOD	Vaccination
OTHER AGRICULTURAL ACTIVITIES	Yes		Anticoccidial in feed
	No		None
ALTITUDE	Below 1300mamsl	VACCINATION AGE	Eclotion
	Above 1300mamsl		First week
	Intermedium	VACCINE TYPE	Live vaccine
DENSITY (KG/M2)	Below		Attenuated vaccine
	High	VACCINATION CYCLES ON FARM	Less than 3 lots
	Between 9.6 - 11		More than 4 lots
DENSITY (BIRDS/M2)	Below than 9.5	LAST ACTIVE ANTICOCCIDIAL DRUG	
	More than 11.1		Chemical – Ionophore
SHED TYPE	Controlled environment	USED PROGRAM	Chemical
	Open air shed		Ionophore
	Galvalume		Ionophore – Chemical
ROOF MATERIAL	Asbestos	ROTATION TIME	Less than 6 months
	Zinc		More than 7 months
FLOOR MATERIAL	Cement	EFFECTIVE WITHDRAWAL TIME	Less than 5 days
	Soil		More than 6 days
ROOF SUPPORT MATERIAL	Metal	CLINICAL COCCIDIOSIS	Yes
	Wood		No
ADDITIONAL ILLUMINATION	No	WATER ANTICOCCIDIALS	Yes
	Yes		No
TYPE OF LIGHTING	Yellow	ACTIVE INGREDIENT ADMINISTRATION AGE	
	White	TIME (days)	
TYPE OF VENTILATION	Mechanic	GENETIC	COBB
	Natural		ROSS
TYPE OF DRINKERS	Closed Systems		More than 46 days
	Open Systems	BIRG AGE	Less than 35 days
ORIGIN OF WATER	River or canal		Between 36 to 45 days
	Well		Male
	Drinking water	SEX	Female
	Chlorine		Mixt
SANITIZERS USED IN WATER	Chlorine and Hydrogen peroxide	WEIGHT	Less than 2.5kg
	Hydrogen peroxide		More than 2.6kg
	Three or more	FEED TYPE	Free (Ad libitum)
HYDROGEN PEROXIDE	Yes		Controlled
	No	REPOPULATION TIME	More than 68 days
CHLORINE	Yes		Less than 60 days
	No		Between 61 to 67 days
TYPE OF FEEDERS	Mechanical		More than 18 days
	Manual	SANITARY EMPTYING	Between 8 to 15 days
FEED PRESENTATION	Flour		Between 3 to 7 days
	Pellet	LIME	No
ORIGIN OF FEED	Manufacture		Yes
	Purchase	PHENOLIC	No
	Rice husk		Yes
BEDDING MATERIAL	Wood shavings	FORMALDEHYDE	No
	Others		Yes
BEDDING HUMIDITY	Less than 25%	FLAMING	No
	More than 26%		Yes
	Two o three uses	QUATERNART AMMONIUM	No
NUMBER OF BED USES	One use		Yes
	More than 4 uses	OTHER DISINFECTANS	No
	Between 10 to 15cm		Yes
BED DEPTH	Less than 10cm		
	More than 15cm		