

## Technical Administration Guideline for Biogen Plus

<b>PIGGERY</b> <b>(External Application)</b>				
Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Castration	1:1	once immediately after castration	apply directly to the wound with the use of squeeze bottle	approx. 5ml/head
Ear-Notching	1:1	once immediately after ear-notching	apply directly to the wound with the use of cotton balls	Approx. 3ml/head
Cutting of Umbilical Cord	1:1	once immediately after cutting the umbilical cord	dip the end of the umbilical cord in Biogen Plus	approximately 1ml/head
Mange Treatment	1:1	5 times every other day	spray directly to the pig's skin	approx. 1ml/kg bodyweight
Misting	1:50	as required by different stages	add Biogen Plus to the water source and apply through the misting system	as required by different stages
Disinfection	1:500	once daily	spray to the surface using a knapsack sprayer	125ml/m <sup>2</sup>
Sterilization of Tools and Equipment (ear notcher, tooth nipper, scissors, needles, syringe, etc.	1:1	everytime tools and equipment will be used	dip the tools in Biogen Plus	varies; depending on the size of equipment
<b>(Internal Application)</b>				
Water Sanitizer	1:300 1:500	varies depending on water consumption	add Biogen Plus to water source and apply	varies depending on water volume
Injectible	3-5 days	10%, 15%, 20%	intra-muscular injection	0.1ml/kg bodyweight



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### POULTRY

Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Misting	1:50	4 times a day, 1 minute per misting	add Biogen Plus to the water source and apply through misting apparatus	25-30ml per misting (A=665 m <sup>2</sup> , 100 nozzles)
Water Sanitizer	1:300	varies depending on water consumption	add Biogen Plus to the water source and supply through the drinkers	varies depending on water volume

### DUCKS

Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Water Sanitizer	1:200	2 times a day	spray using knapsack sprayer	16L

### PIGEONS

Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Water Sanitizer	1:300	varies depending on water consumption	add Biogen Plus to the water source and apply through the drinkers	varies depending on water volume



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### ENGINEERING

Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Fogging	1:50	4 time a day, 3 minutes per spraying time	add Biogen Plus to the water source and apply through the fogging system	76.5ml per spraying, 306L per day (916m2, 128 nozzles)
Waste Water Treatment System	pure banana pulp liquid	daily	continuous dripping	200-400L
Water Tank (75,000 gallons)	1:500	daily	continuous dripping	200-400L

### ESTABLISHMENTS

Activity	Dilution Ratio	Frequency of use	Manner of Application	Amount per Application
Bathrooms	1:300	once daily	spray using knapsack sprayer	1.5L
Footbath	1:300	daily	-	-
Wheel bath	1:500	daily	-	-



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