



PROGRAMME FOR PIGS

- Pig Flu
- Colitis
- Blue Ear
- Scour
- Pleuropneumonia
- Joint ill
- Septicemia
- Mastitis
- Swine Pox
- Foot Rot
- Classical Swine Fever
- Swine Influenza

And many more!



OPTICIDE 200

**A broad-spectrum Disinfectant Sterilant for
General Farm use and Animal Housing areas**

Contents: An aqueous solution of 100.0grs /litre (10%v/v) Benzyl C12-14 (even-numbered) alkylmethylchloride + 150 grs per litre (15.0% v/v) Glutaraldehyde

OPTICIDE 200 is a highly effective blend of Glutaraldehyde and Q.A.C's. It is one of the broadest spectrum disinfectants / sterilants available. **Opticide 200** kills all pathogen types including Viruses, Bacteria, Protozoa, Mycoplasma, Fungi & Yeasts. It can be applied by Knapsack sprayer, Watering can, Pressure washer, Cloth, Mop or Fogger. **Opticide 200** remains stable and effective for at least one year after dilution.

Kills all Pathogen Types | Fully Approved | Highly effective Foot Dip
Powerful Disinfectant for Calving Boxes, Lambing Pens & Stables
Routine Bedding & Cubicle Hygiene | Controls Ringworm, Rotavirus, Pneumonia

INSTRUCTIONS FOR USE

For best results, all surfaces should be thoroughly cleaned beforehand. Recommended dilution rates will vary widely depending on the specific surfaces being treated, pathogen types being targeted and your overall objective, **so please make sure to study the more detailed instructions to be found on our website and /or product leaflets.**

AGRICULTURE

In general, **Opticide 200** should be diluted at rates between 1 : 150 (0.66%) and 1 : 50 (2.0%) for general disinfection of Floors, Walls, Equipment surfaces, Cubicles & Bedding areas. Spray on, using 100 to 300 mls of diluted product per sq. meter of surface area. Where there is a known disease problem, increase the concentration to 1 : 50 until the problem has cleared up.

Routine Hygiene in Milking Parlours, Lambing pens, Calving boxes, Sheep sheds, Stables, Farrowing crates, Kennels, Hatcheries, Surgeries etc., Use 1 : 150. **Foot dipping Livestock:** Preventative treatment use 1 : 50. For curative situations use 1 : 25. **Control of Ringworm,**

Rotavirus, Pneumonia etc in Calf Pens: Clean thoroughly first & use 1 : 50. **Boot Dips:** Use 1 : 50 and change at least monthly: **Vehicle disinfection & fogging:** Use 1 : 150. **Water treatment in poultry:** Use 1 : 3000. **Egg Washing:** Use 1 : 200.

OTHER NON-FOOD CONTACT AREAS

This product has been tested by the *Campden Food & Drink Research Association* and found to be a suitable surface disinfectant at a 0.5% concentration. Pathogens tested by Campden included Salmonella sp., Staphylococcus sp., Streptococcus sp., Pseudomonas sp., Proteus sp., Listeria sp. and Saccharomyces sp.

In normal cleaning operations, use a dilution rate of 1 : 200 (0.5%). Cover all surfaces including Floors, Walls, Tables etc. In particularly challenging situations eg, Toilets & Washrooms and /or for sterilizing Mops, Cloths etc., use a dilution rate of 1 : 100 (1%)



Scan me!

This preparation has been approved by the Minister for Agriculture, Food and the Marine as a disinfectant for the purpose of the Disease of Animal Act, 1966 and Orders made thereunder. The contents of this container are hereby guaranteed to be the same quality and composition as approved by the Minister for Agriculture, Food and the Marine

Approved uses and Dilution rates

- * Foot and mouth disease orders in the proportion of one part of this preparation to 50 parts of water.
- * Swine vesicular disease order in the proportion of one part of this preparation to 150 parts of water.
- * Diseases of poultry order in the proportion of one part of this preparation to 125 parts of water.
- * Tuberculosis orders in the proportion of one part of this preparation to 13 parts of water.
- * General orders in the proportion of one part of this preparation to 61 parts of water.

WARNINGS: H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects. P280 Wear protective clothing, gloves, eye, and face protection. P260 Do not breathe Dust /mist/vapours/. P284 In case of inadequate ventilation wear respiration protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P405 Store locked up.

PCS No: 95482



GENERAL HYDGIENE

- After each pen is emptied, at whatever stage of production, pressure wash clean and apply **OPTICIDE** diluted 1:150 onto all surfaces at the rate of 100 mls per square meter. Where serious disease problems exist (e.g., colitis, blue ear, scour, pig flu, pleuropneumonia etc.) use a dilution of 1:50 until the problem is controlled.
- After re-stocking, fogging using a knapsack fogger twice weekly at a dilution rate of 1;150 will help top prevent the spread of disease and keep down dust levels.
- **OPTICIDE** can be sprayed when animals are present.



FARROWING CRATES

- Incidence of joint ill and septicaemia in newly farrowed pigs can be reduced by spraying OPTICIDE diluted 1:150 around the farrowing crates just prior to farrowing.
- You cannot stop the cuts and scratches, but you can kill the bacteria and other pathogens which cause the problems.





BOOT DIPS

- Opticide should be diluted 1:50 and the solution changed can be used as a boot dip or monthly.
- Opticide to disinfect transport boxes or vehicles. It will help to prevent cross contamination of diseases from far to farm and from farm to mart.





OPTICIDE 200 IS EFFECTIVE AGAINST THE FOLLOWING PIG DISEASES/VIRUSES

Dilution Ratio	Dilution Rate
01:50	20mLs per litre of water
	400mLs per 4 gallons of water
	500mLs per 5 gallons of water
1:150	4 litres per 200 litres of water
	7mLs per litre of water
	140mLs per 4 gallons of water
1:200	175mLs per 5 gallons of water
	1.3 litres per 200 litres of water
	5mLs per litre of water
1:300	100mLs per 4 gallons of water
	125mLs per 5 gallons of water
	1 litre per 200 litres of water

PIG DISEASES EFFECTIVE DILUTION RATES USING OPTICIDE

Virus Type	Virus	Disease	OPTICIDE Dilution
Picornavirus	Porcine Enterovirus (H)	S.V.D.	1:300
Parvovirus	Porcine Parvovirus (H)	Abortion, Stillbirths Infertility	1:180
Adenovirus	Porcine Adenovirus (H) Types 1-4	Respiratory Disease Diarrhoea, Meningitis	1:500
Herpesvirus	Herpesvirus (L)	Aujeszky's Disease	1:1400
Coronavirus	TGE Virus (L)	Transmissible Gastroenteritis	1:900
Picornavirus	Porcine Enterovirus (H)	Teschen or Talfan Disease Porcine Poliomyelitis	1:300
Togavirus	Pestivirus (L)	Hog Cholera, Classical Swine Fever	1:200
Rhabdovirus	Vesiculovirus (L)	Vesicular Stomatitis	1:150
Orthomyxovirus	Influenza Virus (L)	Swine Influenza	1:150
Poxvirus	Suipoxvirus (H)	Swine Pox	1:500
Reovirus	Rotavirus (H)	Diarrhoea	1:200

(H) = Hydrophilic Virus - (L) = Lipophilic Virus

BACTERIA

Escherichia Coli	Gram - Bacterium	Scour, Diarrhoea	1:1500
Salmonella Spp	Gram - Bacterium	Salmonellosis, Septicaemia	1:150
Staphylococcus Spp	Gram + Bacterium	Joint-ill, Mastitis	1:1500
Streptococcus Spp	Gram + Bacterium	Porcine Streptococcal Meningitis	1:500
Pasteurella Spp	Gram - Bacterium	Septicaemia, Atrophic Rhinitis Swine Plague	1:200
Klebsiella Pneumoniae	Gram - Bacterium	Mastitis	1:3500
Corynebacterium Spp	Gram + Bacterium	Mastitis, Footrot, Cystitis	1:7000
Mycoplasma Spp	Gram - Bacterium	Enzootic, Pneumonia, Polyarthritus Atrophic Rhinitis	1:200
Haemophilus Spp	Gram - Bacterium	Glasser's Disease Pleuropneumonia	1:1600
Pasteurella Spp	Gram - Bacterium	Septicaemia Atrophic Rhinitis	1:3200
Erysipelothrix Spp	Gram + Bacterium	Abortions, Septicaemia Arthritis	1:8000

J Grennan & Sons Ltd., Rath, Birr, Co. Offaly.

Tel: 057 91 33002 Email: sales@grennans.ie Website: www.grennans.ie