

BIO-SYSTEM

3000

PROTOCOL

AFS Animal Care Ltd



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- Effective against all known classes of virus
- Effective against Gram +ve & -ve bacteria
- Fungicidal
- Safe to the user
- Biodegradable
- Defra approved

VIREX is a broad spectrum powdered disinfectant that is effective against bacteria, fungi, yeasts and all known classes of virus. It is safe and environmentally friendly, degrading to harmless components. Because of superior dilution rates it is highly cost-effective, works equally well in both hard and soft water and is unaffected by temperature fluctuation.

APPLICATION: After washing and cleaning thoroughly, apply at the recommended dilution rate via a power washer set at low pressure (1000 psi) with a wide angled jet, thoroughly wetting all surfaces whilst avoiding excess run-off.

PACK SIZES: 5 kgs, 10 kgs, 135g Footdip Sachets

Surface Disinfection at 1:100 dilution

Surface area to be Disinfected.	Total volume of Virex solution	1:100 General Disinfection	1:300 Diseases of Poultry	1:1300 Foot & Mouth Disease
50 M ³	15 litres	150g	50g	12g
100 M ³	30 litres	300g	100g	24g
500 M ³	150 litres	1.5 kgs	500g	115g
1000 M ³	300 litres	3 kgs	1 kg	230g
2500 M ³	750 litres	7.5 kgs	2.5 kgs	577g

VIRUSES - at 4°C and 30 minute contact time, high soil level & WHO hard water.

DILUTION	DISEASE	ANIMAL	FAMILY	GENERA	ORGANISM	STRAIN
1:1300	Foot and Mouth Disease	All cloven hoofed animals	Picornaviridae	Aphovirus	Foot and mouth disease virus	DEFRA
1:300	Newcastle Disease	Poultry	Paramyxoviridae	Paramyxovirus	Avian paramyxovirus 1	DEFRA
1:200	Swine Vesicular disease	Swine	Picornaviridae	Enterovirus	Swine enterovirus	DEFRA

VIRUSES - PrEN14675 2003:E at 10°C and 30 minute contact time, high soil level & simulated hard water.

DILUTION	DISEASE	ANIMAL	FAMILY	GENERA	ORGANISM	STRAIN
1:100	Egg Drop Syndrome	Poultry	Adenoviridae	Aviadenovirus	Adenovirus ana1	127
1:200	Gumboro	Poultry	Birnaviridae	Birnavirus	IBD virus	G13
1:200	PCV2	Swine	Circoviridae	Circovirus	Porcine circovirus type 2	1010
1:200	Chicken anaemia	Poultry	Circoviridae	Circovirus	Chicken anaemia virus	Cux
1:200	Viral diarrhoea	Cattle	Flaviviridae	Pestivirus	Bovine viral diarrhoea virus	NADL
1:200	Infectious Bovine Rhinotracheitis	Cattle	Herpesviridae	Alpha	Bovid herpesvirus 1	JCF
1:200	Aujesky's	Swine	Herpesviridae	Alpha	Suid herpes virus 1	NIA1
1:200	Avian Influenza	Poultry	Orthomyxoviridae	Type a	Avian influenza virus	HSN1
1:200	Bovine Pneumonia	Cattle	Paramyxoviridae	Respovirus	Bovine Parainfluenza 3	125
1:100	Parvoviral Enteritis	Swine	Parvoviridae	Parvovirus	Porcine parvovirus	59E
1:50	Enteritis	Cattle	Picornaviridae	Enterovirus	Bovine enterovirus 1	VG/5/27
1:50	Teschen Taifan disease	Swine	Picornaviridae	Enterovirus	Porcine enterovirus 1	F65
1:200	Tenosynovitis	Poultry	Reoviridae	Reovirus	Avian reovirus	Uchida
1:500	Porcine Blue Ear / PRRS	Pig	Togaviridae	Arterivirus	PRRS virus	Lelystad

BACTERIA - EN1656:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

DILUTION	ORGANISM	STRAIN
1:150	Enterococcus hirae	ATCC 10541
1:200	Proteus vulgaris	ATCC 13315
1:100	Pseudomonas aeruginosa	ATCC 15442
1:100	Staphylococcus aureus	ATCC 6538
1:50	Bacillus cereus	NCTC 7464
1:100	Enterococcus faecalis	NCTC 775
1:100	Escherichia coli	NCTC 10418
1:100	Helicobacter pylori	NCTC 11637
1:100	Listeria monocytogenes	NCTC 7973
1:100	Salmonella typhimurium	NCTC 12023
1:100	Vibrio cholerae	NCTC 11348
1:100	Haemophilus equigenitalium	NCTC11184
1:100	Clostridium Perfringens	NCTC8797

BACTERIA - British Standard BS 6734: 1986 at 4°C and 30 minute contact time with high soil level and in simulated hard water

DILUTION	ORGANISM	STRAIN
1:112	Salmonella choleraesuis	NCTC 10653, NCIB 10383

FUNGI - EN1657:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

1:100	Candida albicans	NCPF 3179
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- Highly effective against salmonella
- High foaming properties
- Effective in the presence of organic matter
- Effective against bacteria, viruses, moulds & fungi
- Non-corrosive: will not damage surfaces
- Non Toxic: at in use dilution
- Biodegradable
- Defra approved

SUPERKILL is a highly versatile and economic broad spectrum foaming disinfectant that is effective against viruses, bacteria, mycoplasma and fungi. A blend of aldehydes and surfactants with special foaming properties, it remains active in the presence of organic matter and can be used effectively in both hard and soft water areas. The special foaming properties of SuperKill give not only a rapid action, but a longer lasting contact time.

APPLICATION: After washing and cleaning thoroughly, apply Superkill at the required dilution rate via a power washer and foaming lance or other foam generating equipment, covering all surfaces with an even layer of foam. Avoid excess application on vertical surfaces as this will result in a downward drift and thus reduce contact time.

RECOMMENDED DILUTION RATE: General Disinfection 1:100

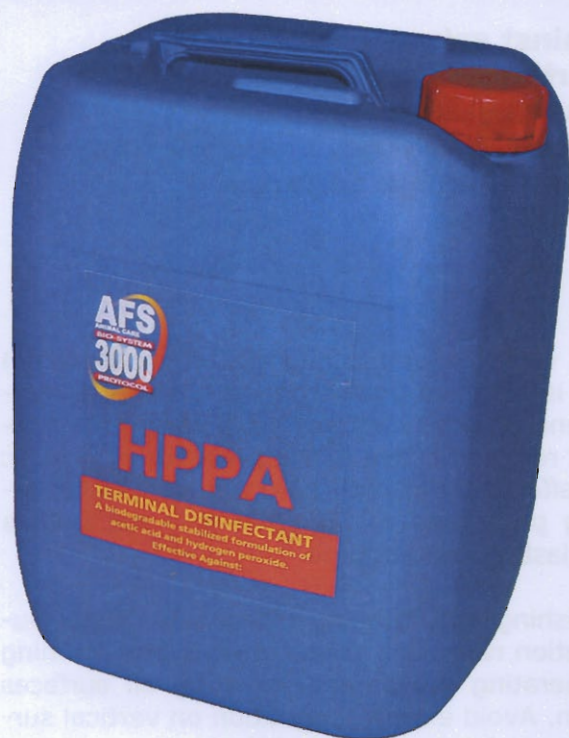
DEFRA APPROVED RATES: Swine Vesicular Disease 1:50, Diseases of Poultry 1:100, General Orders 1:22.

PACK SIZES: 25 litres and 5 litres.

Surface Disinfection at 1:100 dilution

Surface area to be Disinfected.	Total volume of Superkill solution	1:100 Diseases of Poultry	1:50 Swine vesicular disease	1:22 Salmonella
50 M ³	15 litres	150 ml	300 ml	675 ml
100 M ³	30 litres	300 ml	600 ml	1.35 litres
500 M ³	150 litres	1.5 litres	3 litres	6.75 litres
1000 M ³	300 litres	3 litres	6 litres	13.5 litres
2500 M ³	750 litres	7.5 litres	15 litres	33.75 litres

Organism	Independent Test Results		
	No. of viable bacteria recovered/ml		
	1 min	5 mins	10 mins
<i>Escherichia coli</i>	1.0×10^4	< 10	< 10
<i>Staphylococcus aureus</i>	9.8×10^3	< 10	< 10
<i>Pseudomonas aeruginosa</i>	2.4×10^5	6.3×10^3	< 10
<i>Listeria monocytogenes</i>	3.2×10^3	< 10	< 10
<i>Bordetella bronchiseptica</i>	8.5×10^4	< 10	< 10
<i>Salmonella enteritidis</i>	3.1×10^4	< 10	< 10
<i>Campylobacter jejuni</i>	3.4×10^4	< 10	< 10



- Stabilised long-lasting formulation
- Biodegradable
- Broad spectrum
- Concentrated
- Effective disinfection of all classes of housing
- Formulated for increased surface activity
- Defra approved

HPPA is a concentrated, broad spectrum peracetic acid disinfectant, effective against viruses, bacteria, fungi and spores. HPPA is non-tainting, does not leave residues after application and environmentally safe, degrading to carbon dioxide, oxygen and water. Its stabilised formulation gives a longer-lasting product in diluted form and may be used via a power washer or other spraying equipment. A colourless stabilised liquid blend of peracetic acid and hydrogen peroxide with a distinctively pungent odour.

APPLICATION: After washing and cleaning thoroughly, apply at the recommended dilution rate via a power washer set at low pressure (1000 psi) with a wide angled jet, thoroughly wetting all surfaces whilst avoiding excess run-off. HPPA can also be used in foot and wheel dips, or in fogging equipment at the recommended dilution rates.

RECOMMENDED DILUTION RATE: General Disinfection 1:100, fogging 1:10.

DEFRA APPROVED RATES: Diseases of Poultry 1:400, General Orders 1:190.

PACK SIZES: 25 kgs & 5 kgs.

Surface Disinfection

Surface area to be Disinfected.	Total volume of HPPA solution	1:100 General Disinfection	1:400 Diseases of Poultry	1:190 General Orders
50 M ²	15 litres	150 ml	37.5 ml	80 ml
100 M ²	30 litres	300 ml	75 ml	160 ml
500 M ²	150 litres	1.5 litres	375 ml	790 ml
1000 M ²	300 litres	3 litres	750 ml	1.6 litres
2500 M ²	750 litres	7.5 litres	1.875 litres	4 litres

VIRUSES - at 4°C and 30 minute contact time, high soil level & WHO hard water.

DILUTION	DISEASE	ANIMAL	FAMILY	GENERA	ORGANISM	STRAIN
1:400	Newcastle Disease	Poultry	Paramyxoviridae	Paramyxovirus	Avian paramyxovirus 1	DEFRA

FUNGI - EN1657:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

1:100	Aspergillus Fumigatus	NCPF 2109
1:100	Candida albicans	NCPF 3179

BACTERIA - EN1656:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

DILUTION	ORGANISM	STRAIN
1:150	Enterococcus hirae	ATCC 10541
1:200	Proteus vulgaris	ATCC 13315
1:100	Pseudomonas aeruginosa	ATCC 15442
1:100	Staphylococcus aureus	ATCC 6538
1:50	Bacillus cereus	NCTC 7464
1:100	Enterococcus faecalis	NCTC 775
1:100	Escherichia coli	NCTC 10418
1:100	Helicobacter pylori	NCTC 11637
1:100	Listeria monocytogenes	NCTC 7973
1:100	Salmonella typhimurium	NCTC 12023
1:100	Vibrio cholerae	NCTC 11348
1:100	Haemophilus equigenitalium	NCTC11184
1:100	Clostridium Perfringens	NCTC8797



- High foaming properties
- Potent prolonged effect
- Effective in the presence of organic matter
- Effective against bacteria, viruses, moulds and fungi
- Effective disinfection of all classes of livestock housing
- DEFRA approved

VIROSHIELD is a broad spectrum disinfectant that is effective against viruses, bacteria, mycoplasma and fungi. It is active in the presence of organic matter and can be used effectively in both hard and soft water. The special foaming properties of ViroShield give not only a rapid action, but also a longer-lasting contact time than normal conventional disinfectants. The unique combination of glutaraldehyde and quaternary ammonium compounds works synergistically to achieve the optimum bio-secure environment.

APPLICATION: After washing and cleaning thoroughly, apply at the required dilution rate via a power washer and foaming lance or other foam generating equipment, covering all surfaces with an even layer of foam. Avoid excess application on vertical surfaces as this will result in a downward drift and thus reduce contact time. Alternatively, use at the required dilution rate via a power washer set at low pressure (1000 psi) with a wide angled jet.

PACK SIZE: 25 litres and 5 litres.

Surface Disinfection

Surface area to be Disinfected.	Total volume of Viroshield solution	1:100 General Disinfection	1:165 Diseases of Poultry	1:25 General Orders
50 M ³	15 litres	150 ml	91 ml	80 ml
100 M ³	30 litres	300 ml	182 ml	160 ml
500 M ³	150 litres	1.5 litres	909 ml	790 ml
1000 M ³	300 litres	3 litres	1.82 litres	1.6 litres
2500 M ³	750 litres	7.5 litres	1.875 litres	4 litres

VIRUSES - at 4°C and 30 minute contact time, high soil level & WHO hard water.

DILUTION	DISEASE	ANIMAL	FAMILY	GENERA	ORGANISM	STRAIN
1:165	Newcastle Disease	Poultry	Paramyxoviridae	Paramyxovirus	Avian paramyxovirus 1	DEFRA

VIRUSES - PrEN14675 2003:E at 10°C and 30 minute contact time, high soil level & simulated hard water.

DILUTION	DISEASE	ANIMAL	FAMILY	GENERA	ORGANISM	STRAIN
1:200	Viral diarrhoea	Cattle	Flaviviridae	Pestivirus	Bovine viral diarrhoea virus	NADL
1:200	Infectious Bovine Rhinotracheitis	Cattle	Herpesviridae	Alpha	Bovine herpesvirus 1	JCF
1:200	Aujesky's	Swine	Herpesviridae	Alpha	Suid herpes virus 1	NIA1
1:200	Bovine Pneumonia	Cattle	Paramyxoviridae	Resopivirus	Bovine Parainfluenza 3	125
1:50	Enteritis	Cattle	Picomaviridae	Enterovirus	Bovine enterovirus 1	VG/5/27

BACTERIA - EN1656:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

DILUTION	ORGANISM	STRAIN
1:150	Enterococcus hirae	ATCC 10541
1:200	Proteus vulgaris	ATCC 13315
1:100	Pseudomonas aeruginosa	ATCC 15442
1:100	Staphylococcus aureus	ATCC 6538
1:100	Bacillus cereus	NCTC 7464
1:100	Enterococcus faecalis	NCTC 775
1:100	Escherichia coli	NCTC 10418
1:100	Helicobacter pylori	NCTC 11637
1:100	Listeria monocytogenes	NCTC 7973
1:100	Salmonella typhimurium	NCTC 12023
1:100	Vibrio cholerae	NCTC 11348
1:100	Haemophilus equigenitalium	NCTC1184
1:100	Clostridium Perfringens	NCTC8797

FUNGI - EN1657:2000 at 20°C and 30 minute contact time with high soil level and in simulated hard water

1:100	Aspergillus Fumigatus	NCPF 2109
1:100	Candida albicans	NCPF 3179

DISINFECTANTS

VIOPHOR 2.8%



- **Stabilised iodine based disinfectant**
- **Proven against major diseases**
- **Extended shelf life**
- **Can be used to disinfect water systems**
- **Economical in use**
- **Defra approved**
- **Lion Code approved**

VIOPHOR 2.8% can be used as a disinfectant and detergent sanitiser in all type of housing, poultry sheds, calf housing, piggeries and animal transport. ViroPhor 2.8% is bactericidal, fungicidal and virucidal. The built-in colour indicator is particularly important for foot and wheel dips as it allows the operator to identify when the solution is becoming inactive.

APPLICATION: After washing and cleaning thoroughly, apply at the required dilution rate via a power washer set at low pressure (1000 psi) with a wide angled-jet, thoroughly wetting all surfaces whilst avoiding excess run off. When used in foot and wheel dips use at the recommended dilution rate and change every 2 to 3 days.

RECOMMENDED DILUTION RATES: General Disinfection 1:100

DEFRA APPROVALS: Foot and Mouth Disease: 1:550, Diseases of Poultry Orders: 1:185, Tuberculosis Orders: 1:33, General Orders: 1:50.

COVERAGE: To disinfect 1000 M² of surface area you will require 2.4 litres of ViroPhor 2.8%.

PACK SIZE: 5 litres.

KILCOX



- **A coccidial disinfectant with a balanced mode of action.**
- **Effective against all kinds of parasites and their intercellular development stages.**
- **Effective against all eimeria species, ascaris, bacteria, fungi and enveloped viruses.**

KILCOX is a heavy duty disinfectant containing p-chlor-m-cresole for the control of coccidiosis. This product is used as the final disinfectant stage in a cleaning and disinfection programme. Kilcox can be effectively used in poultry rearing and fattening, pig rearing and fattening, sheep rearing and cattle breeding.

APPLICATION: Only apply the solution diluted at the recommended rate. Apply 300mls of solution per M² to all floor areas and walls up to a height of 500mm using a foaming lance. The product must be applied to dry surfaces.

RECOMMENDED DILUTION RATE: 1:30.

COVERAGE: To disinfect 1000 M² of surface area you will require 9 litres of Kilcox.

PACK SIZE: 5 litres.

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farmchem
distribution solution

SUPERQUAT PLUS



- **Short chain quaternary compounds**
- **Concentrated detergent sanitiser**
- **Intense cleaning action**
- **Effectively removes organic matter**

SUPERQUAT PLUS is designed as a preliminary wash to clean and sanitise contaminated surfaces in hatcheries and farm buildings before terminal disinfection. This product is used in the manual washing of egg trays and equipment, and is highly effective in the removal of organic material. SuperQuat Plus contains short chain quaternary ammonium compounds with intense cleaning and sanitising properties and excellent resistance to hard water.

APPLICATION: Apply via a pressure washer set at low pressure (1000 psi)

RECOMMENDED DILUTION RATES: For routine cleaning, sanitising and soaking 1:200 to 1:320 depending on level of soiling.

COVERAGE: To clean and sanitise 1000M² of surface area you will need 1.25 litres of SuperQuat Plus diluted at 1:200.

PACK SIZE: 20 litres and 5 litres.

ECOFOAM



- **Heavy duty pre-wash sanitiser**
- **Highly effective against organic matter**
- **High foaming capacity**
- **Advanced fixing**
- **Strong foam action gives maximum contact time**

ECOFOAM is a blend of high-foaming surfactants, foam stabilizers and alkaline builders. Its powerful detergent activity, combined with the prolonged contact time through its foaming properties, facilitate a thorough cleaning even with heavy soiling. Used as a pre-wash foam, the heavy duty formulation is designed to tackle the most stubborn levels of soiling in all livestock housing, equipment, vehicles and holding areas, allowing simple removal of organic matter.

APPLICATION: Apply at the recommended dilution rate, via a power washer with a foaming lance or other foam generating equipment.

RECOMMENDED DILUTION RATES: Dilute 1:100 to 1:200 depending on the level of soiling.

COVERAGE: To clean and sanitise 1000 M² of surface area you will require 2.4 litres of EcoFoam at 1:100 dilution rate.

PACK SIZE: 25 litres & 5 litres.

SUPERQUAT PLUS 800



- **Highly effective detergent sanitiser**
- **Efficient cleanser**
- **Excellent cleaning power**
- **Non-corrosive**
- **Non-toxic**
- **Non-tainting**

SUPERQUAT 800 is a highly concentrated, intense detergent sanitiser containing quaternary ammonium compounds and a non-ionic surfactant. SuperQuat 800 has been designed as a preliminary wash to clean and sanitise surfaces in processing plants, hatcheries and farm buildings before terminal disinfection. It can also be used in the manual washing of egg trays and equipment.

APPLICATION: Apply at the recommended dilution rate, using a foaming lance or low pressure (1000 psi) spray. Ensure all surfaces and equipment are thoroughly soaked whilst avoiding excess run-off.

RECOMMENDED DILUTION RATES: Dilute at 1:800 for routine cleaning and sanitisation. Where gross soiling occurs use at a higher concentration to remove additional debris. Soak equipment in a solution diluted at 1:400.

COVERAGE: To clean and sanitise 1000 M² of surface area you will need 0.6 litres of SuperQuat 800 at 1:400 dilution rate.

PACK SIZE: 25 litres and 5 litres.

SUPERSOLVE



- **Highly concentrated cleaner**
- **Intense alkaline action**
- **Biodegradable**
- **Rapidly removes oils and fats**
- **Non-hazardous**

SUPERSOLVE is a highly concentrated alkaline cleaner, which rapidly removes oils and fats of both animal and vegetable origin, from floors, walls, tanks and equipment. SuperSolve is particularly successful in dislodging and removing deposits of dirt and fat which are difficult to remove with traditional cleaning solutions.

APPLICATION: Apply at the recommended dilution rate. For optimum results, brush surfaces well, allow to soak in and rinse down with clean water after cleaning.

RECOMMENDED DILUTION RATES: Dilute at 1:100 in warm water for routine cleaning. Where gross soiling occurs use at a rate of 1:10 to remove additional debris.

COVERAGE: To clean and sanitise 1000M² of surface area you will require approximately 2.4 litres of SuperSolve at 1:100 dilution rate.

PACK SIZE: 25 litres and 5 litres.

Poult Start



- Helps reduce poult mortality
- Assists production of even flocks
- Contains potassium salts, sodium bicarbonate, electrolytes and vitamin C
- Pack size : 1 litre

POULT START has been scientifically formulated as an aid in reducing the level of early poult mortality and to assist in the production of even flocks. It contains a high proportion of potassium salts with added sodium bicarbonate, electrolytes and vitamin C.

Potassium plays a major role in controlling urinary losses in stressed birds, reducing the stress in transport and housing. Vitamin C is used as an aid to dehydration and disease challenge, particularly prevalent in young poults. Also helps in promoting even flocks by maintaining health and performance.

ADMINISTRATION: Poult Start should be used at 1ml per litre of drinking water, and should be used in birds at housing and at appropriate times throughout rearing periods. Poult Start should be used for a period of 5 days.

Hatch Plus



- Contains vitamins C and E as well as L-carnitine and biotin
- Helps produce superior energy balance
- Should improve fertility, hatchability and chick quality
- Designed for breeder flocks
- Pack size: 1 litre

HATCH PLUS has been formulated to boost the young breeders nutrient reserves and to provide specific micro-nutrients which will aid the maintenance of fertility and chick quality. With continuing emphasis on improving meat yield and FCR in broiler stock good breeder performance is becoming more and more difficult to achieve. Hatchability and chick quality in young breeders is a continuing problem related to the severe feed restriction used in rearing to control body weight during this important period.

ADMINISTRATION: Hatch Plus should be used at 1ml per litre of drinking water. Give HATCH PLUS continuously through to peak egg production. Thereafter it may be given one week in each four until the birds are 50 weeks old, then should be given again continuously up to depletion.

Layer Liquivits



- Suitable for birds in lay
- Contains biotin
- Pack size: 1 & 5 litre

LAYER LIQUIVITS are specially formulated to augment essential micronutrients. It contains a balance of vitamins and amino acids. Also contains Biotin, and has been specifically formulated to help the optimum performance of birds in lay.

ADMINISTRATION: Layer Liquivits should be used at 1ml per litre of drinking water for a period of at least 5 days. Layer Liquivits are completely soluble with no mixing problems.

Shell Max



- Includes EU approved chelated trace elements, soluble calcium and soluble sodium bicarbonate
- Can promote improved nutrient absorption, to produce improved shell thickness and strength
- Suitable for all breeding stock and commercial layers
- Pack size: 1 litre

SHELL MAX is formulated to improve shell thickness and strength during periods of nutritional stress. This product is a liquid product which is added totally independent of the feed, thus side stepping the feed intake, reducing effects of stress, temperature, mineral imbalance and feed separation. SHELL MAX can be used to improve shell quality by providing soluble calcium, sodium bicarbonate and other micro elements which are necessary for correct enzyme function.

ADMINISTRATION: For every 5 litres of drinking water use 1ml of SHELL MAX. The dose of SHELL MAX is most effectively given during the second part of the photo period, but it can be given safely at any time of the day. The treatment period should be not less than 7 days, after which the shell problem should be evaluated and treatment reintroduced if necessary.

Super Liquivit K



- Formulated with vitamin K and biotin
- All purpose broad spectrum and balanced vitamin supplements for improved performance.
- Suitable for all species of poultry and game
- Pack size: 1 & 5 litre

SUPER LIQUIVIT K is a liquid vitamin and amino acid supplement that reinforces the supply of essential micronutrients. Use Super Liquivit K for a good start in young birds especially in layer and breeder chicks after beak tipping, vaccinating, worming, medication, as a general 'pick-me-up', birds off colour or off feed, after IB challenge etc.

ADMINISTRATION: Super Liquivit K should be used at 1ml per litre of drinking water.

Stress Relief



- High proportion of potassium salts with added sodium bicarbonate and electrolytes
- Helps birds to replace intra cellular fluids in stress situations
- Relevant for all birds when environment may produce stress e.g. Temperature, disease challenges, dehydration and transportation
- Pack size: 1 litre

STRESS RELIEF is a liquid supplement that helps combat heat stress. As ambient temperature exceeds 25°C, heat stress usually occurs: body temperature rises, feed intakes fall and as a result growth and FCR suffer.

ADMINISTRATION: Stress Relief should be used at 1ml per litre of drinking water for temperatures between 25°C and 30°C. This should be increased to 2ml per litre for temperatures in excess of 30°C. In both temperature situations the water treatment should be given for as long as the ambient temperature remains high.

Immuno Stim



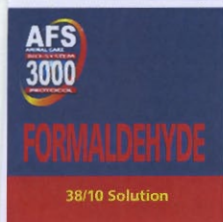
- Formulated with L-carnitine, vitamin E and special fish oils
- Broad spectrum and balanced helping to boost the immune system / disease resistance
- Suitable for day olds, growing birds and breeders.
- Pack size: 1 litre

IMMUNO STIM is a scientific mixture of micro nutrients which both singularly and in combination enhance resistance to disease. Different micro-nutrients play different roles. Each one has an essential function and in balanced combination IMMUNO STIM will increase bird survival, increase overall health and improve bird performance. IMMUNO STIM should be used in an overall health programme. It is an essential part of the AFS structural approach to animal health.

ADMINISTRATION: Immuno Stim should be used at 1ml per litre of drinking water. The liquid product should be given in the birds' drinking water at times of stress and reduced immune competence. The most critical periods are: Day old to 7 days age, directly after beak trimming, after vaccination, when moving husbandry systems and with broiler breeders during feed control periods. It is recommended that IMMUNO STIM is given for at least 5-7 days at a time.

COMMODITY CHEMICALS

Formaldehyde Solution

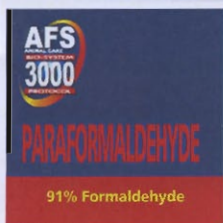


- **Formaldehyde 38/10 solution**

General purpose Formaldehyde 38/10 solution.

PACK SIZE: 25 litres

Formaldehyde Prills

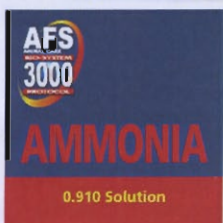


- **Paraformaldehyde 91%**
- **Contains 91% Formaldehyde**

General purpose Paraformaldehyde

PACK SIZES: 7.5 kgs & 15 kgs

Ammonia 910 Solution

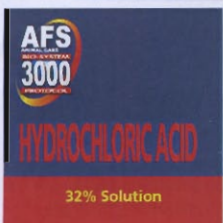


- **AMMONIA 0.910 solution**

General purpose Ammonia 0.910 solution

PACK SIZE: 25 litres

Hydrochloric Acid

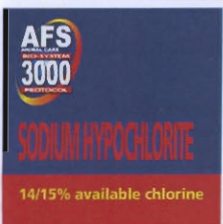


- **Hydrochloric Acid 32% solution**

General purpose Hydrochloric Acid 32% solution.

PACK SIZE: 25 litres.

Sodium Hypochlorite 14/15%

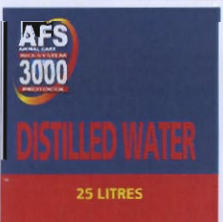


- **Sodium Hypochlorite solution**
- **14/15% available chlorine**

General purpose Sodium Hypochlorite solution giving 14/15% available chlorine.

PACK SIZE: 25 litres

Distilled Water

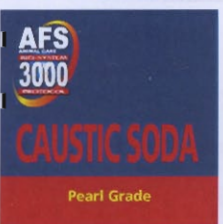


- **Distilled Water**

General purpose Distilled water.

PACK SIZE: 25 litres

Caustic Soda



- **Caustic Soda**
- **Pearl Grade**

General purpose Caustic Soda. Pearl Grade.

PACK SIZE: 25 kgs

Ficam W



- **Wettable Powder**
- **Bendiocarb**
- **Pack sizes: 500g, 10 x 15g**

FICAM W is recommended for the control of cockroaches, ants, fleas, flies, adult mosquitoes, stored product pests, bed bugs, carpet pests, wasps, bees, silverfish and other bristle tails, ground beetles, earwigs, crickets, booklice, spiders, woodlice, centipedes, millipedes, ticks and thrips.

APPLICATION: Dissolve 15g of Ficam W in 5 litres of clean water. For use at terminal clean down. Apply via a knapsack sprayer. Do not apply directly to livestock.

COVERAGE: 5 litres of diluted concentrate will cover 100M² of surface area.

Oxyfly



- **Micro-encapsulated formulation**
- **Extended residual activity**
- **Pyrethroid lambda-cyhalothrin**
- **Adulticide**
- **Pack sizes: 250ml, 1 litre**

OXYFLY contains a potent pyrethroid in a state-of-the-art capsule suspension formulation and is the ideal complement for product rotation within resistance management and integrated pest control programs. Oxyfly acts against a broad range of insects affecting farm premises.

APPLICATION: Dilute 50ml of Oxyfly in 5 litres of water.

For fly control, apply as a low pressure spray in areas where flies congregate or settle. For other insects, apply spray as a crack and crevice treatment.

SpY



- **Contains Spinosad**
- **Contains pheromone**
- **Sugar based**
- **Safe to farm animals**
- **Pack sizes: 400g and 2 kgs**

SPY is a novel product based on a naturally-occurring active ingredient: Spinosad. SPY's active ingredient and formulation make it suited for use in all farm animal production facilities, but especially in bioproduction facilities. SPY also contains sugar and the fly pheromone, tricocene, to attract flies. SPY is devoid of cross-resistance to other insecticides used in fly control, and therefore remains effective against all known resistant fly strains.

APPLICATION: Use a paintbrush to apply the diluted mixture where flies gather, rest and feed as continuous or spot treatment areas. See label for full instructions.

Neporex



- **Cryomazine 20g / kg**
- **Larvacide**
- **Pack sizes 5 kgs, 20 kgs**

NEPOREX contains cyromazine, a chemical which attacks fly larvae and prevents them from shedding their skins. Since this is an essential part of larval development, Neporex prevents fly larvae turning into flies. Cyromazine belongs to a different chemical group than traditional adulticide fly control products, and is therefore capable of killing flies which are resistant to such treatments.

APPLICATION: Apply 25g / m² directly on manure or on other fly breeding sites. NEPOREX 2 SG can be dry scattered, poured or sprayed. Two to three treatments at fortnightly intervals are usually sufficient to get fly population under control. The simultaneous use of an adulticide is recommended, in order to control the influx of adult flies.

Konk



- **Easy to use**
- **24 hour protection**
- **Metered dose**

KONK is an easy-to-use spray that kills flies - automatically! Anywhere around the farm, stables and other livestock buildings. KONK is the reliable answer giving rapid knockdown and kill of flying insects.

KONK is a battery operated, spray system that can be wall mounted or left free standing. A metered mist of insecticide is released every 7 1/2 minutes, 24 hours a day, giving round the clock protection for animals and humans from the irritations of flies. KONK contains a naturally occurring insecticide derived from Chrysanthemum flowers which is deadly for flies.

Sorex Super Fly Spray



- **Rapid Knockdown**
- **Fast Acting**

SOREX SUPER FLY SPRAY
For rapid knockdown and kill.

A fast acting aerosol, highly active against flies, wasps, mosquitoes and other flying insects. Ideal for farms, industrial and food premises. Can also be used as a flushing agent to demonstrate the presence of cockroaches and other crawling insects.

Sorex Super Fly Spray contains tetramethrin and d-phenothrin.

Visit our new online ordering site www.farmchem.co.uk for our full range of fly control and insecticide products.

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distribution solution

RED MITE CONTROL

OXYFLY



- Approved for red mite control
- Excellent residual
- Potent Pyrethroid lambda-cyhalothrin
- Pack sizes: 250ml, 1 litre

OXYFLY contains a potent pyrethroid in a state-of-the-art capsule suspension formulation and is the ideal complement for product rotation within resistance management and integrated pest control programs. Oxyfly acts against a broad range of insects affecting farm premises.

APPLICATION: Dilute 50ml of Oxyfly in 5 litres of water. and apply as a low pressure spray to cracks, crevices and other mite harbourages.

ALPHABAN 10SC

Alphaban 10 SC

- Effective against red mite and litter beetle
- Long residual
- Contains 9.8% alpha-cypermethrin
- Pack sizes: 1 litre, 5 litres

ALPHABAN 10SC is a potent broad spectrum insecticide based on the synthetic pyrethroid alpha-cypermethrin which gives rapid knock-down and kill of both crawling and 'resting' flying insects.

APPLICATION: Dilute 25ml of Alphaban 10SC in 5 litres of water and apply as a low pressure spray to cracks, crevices and other mite harbourages.

TYRANT 50/50 SE

Tyrant 50/50 SE

- Enhanced knockdown
- Broad spectrum
- Pack sizes: 500ml, 5 litres

TYRANT 50/50 SE is an enhanced knockdown, broad spectrum, multi-purpose insecticide, formulated with 50g per litre of the potent synthetic pyrethroid alpha-cypermethrin together with 50g per litre of the knockdown agent tetramethrin.

Uniquely formulated as a high strength Suspo-Emulsion (SE) Tyrant 50/50 SE offers extremely good residuality on all common surfaces as well as exhibiting an excellent knockdown and flushing effect ideal for the control of litter beetle and red mite in poultry houses.

APPLICATION: Dilute 25ml of Tyrant 50/50 SE in 5 litres of water and apply as a low pressure spray to cracks, crevices and other mite harbourages.

TYRANT SUPER ME

Tyrant Super ME

- Formulated for red mite control
- Rapid knockdown
- Pack sizes: 500ml, 5 litres

Tyrant Super ME is an enhanced knockdown, broad spectrum, multi-purpose insecticide formulated with 50g per litre of the potent synthetic Pyrethroid alpha-cypermethrin together with 50g per litre of the knockdown agent tetramethrin synergised with the pyrethroid synergist piperonyl butoxide.

While this product is suitable for use against a wide range of crawling insects it has been particularly formulated for the control of Red Mite in poultry houses.

APPLICATION: Dilute 60ml of Tyrant 50/50 SE in 5 litres of water and apply as a low pressure spray to cracks, crevices and other mite harbourages.

STINGRAY ME

Stingray ME

- Contains an insect growth regulator
- Formulated for red mite control
- Pack sizes: 500ml, 1 litre, 5 litres

Stingray ME is an extremely potent insecticide formulated using synergised pyrethroids, knock down agents and a powerful insect growth regulator. For the control of red mites, litter beetles, mites and ticks.

Stingray ME combines the benefits of several active materials and offers the best chance of control for all pests.

APPLICATION: Dilute 25ml of Stingray ME in 5 litres of water and apply as a low pressure spray to cracks, crevices and other mite harbourages.

NECROMITE



- Diatomaceous Earth
- Natural product
- Contains no pesticide
- Pack size: 25 kgs

NECROMITE controls insects by physical means not chemical. Necromite is applied where insects live and move and will be picked up on the insect's exoskeleton by static electricity. Necromite, through abrasion, cuts into the insect's cuticle and once exposed the insect can no longer retain its moisture and so dies. Unlike chemical pesticides results are not usually instant.

APPLICATION: For red mite control in poultry, Necromite should be dusted at a rate of 15 to 30 grams per M2 total hard surface area. It can be expected that most mites will die from contact with Necromite within a few days.

RODENTICIDES

Slaymor



- 0.005% Bromadiolone
- 3kgs, 12kgs, 20kgs
- 40 x 150g, 80 x 150g

Slaymor is based on top quality whole wheat, coloured blue for ease of identification. Slaymor loose bait is designed for maximum palatability, indeed rodents find Slaymor so irresistible that they have been known to gnaw through the container to get to it! This palatability ensures maximum bait-take and infestation control.

Slaymor is available in 2 presentations: a loose ready to use bait and 150g bait bags.

Neosorexa Gold



- 0.005% Difenacoum
- 3kgs, 6 kgs, 10kgs, 18kgs
- 50 x 100g

Neosorexa Gold is a palatable all purpose rodenticide based on the advanced anticoagulant, difenacoum. Neosorexa Gold is equally effective against mice and rats, it controls strains resistant to some other anticoagulants. Two or more feeds are required to produce a delayed mortality (4-10 days); most rodents die in their burrows out of sight. Before laying bait, thoroughly explore the site to locate centres of infestation, runways and burrows.

Neosorexa Gold is available as a ready to use loose bait and in 100g rat packs

Neosorexa Bait Blocks



- 0.005% Difenacoum
- 2.5kgs, 5 kgs, 10 kgs

Neosorexa Bait Blocks have been purpose developed by Sorex to be as effective as loose bait without the risk of wastage. Neosorexa Bait Blocks with a hole mean no spills and more kills. Especially suited for use outdoors and in damp situations, Neosorexa Bait Blocks are ideal for burrow baiting.

Indoors, Neosorexa Bait Blocks can be used in homes, factories, public buildings industrial premises and offices, as well as hotels, restaurants and food storage facilities. Exceptionally easy to use with pre-measured doses, versatile and economical, Neosorexa Bait Blocks put a block on rodent problems in next to no time.

Roban



- 0.005% Difenacoum
- Cut wheat & whole wheat
- 10kgs, 20kgs

Roban is a ready for use formulation containing 50 ppm difenacoum and 10 ppm of the human aversive agent denatonium benzoate and blue indicator dye. Roban bait is formulated using the highest-grade human foodstuff ingredients together with taste adjuvants to improve bait 'take' and bio-stats to inhibit the growth of fungi and bacteria.

Roban is available in both cut wheat and whole wheat presentations.

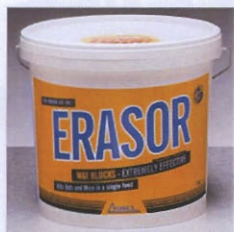
Townex



- 0.0375% Coumatetralyl
- Sachets & loose bait
- 50 x 33g, 200 x 33g
- 4kgs, 12kgs

Townex sachets contain 33g of coumatetralyl and is fully effective against rats. Townex is also available a loose ready to use bait.

Erasor



- 0.005% Brodifacoum
- Can kill in a single feed
- 3.5kgs

Erasor is a potent rodenticide for use indoors which can kill rats and mice with a single feed.

Erasor Wax Blocks contain a potent anticoagulant rodenticide, which is active against rats and mice, including those resistant to some other anticoagulants. A lethal dose can be ingested as only part of a single day's food intake - multiple feeding is not always necessary.

Visit our new online ordering site www.farmchem.co.uk for our full range of rodenticide products.

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