

ZADE Liquid for Exhibition Budgerigars, Show Canaries & other Aviary Birds

Potent Vitamin A, D and E concentrate - Available in 100ml & 250ml sizes

ZADE Liquid is a potent vitamin A, D and E concentrate formulated for reproductive support and for the treatment of diseases associated with vitamin A and D deficiencies. We have developed ZADE to restore reproductive success in exhibition budgerigar and show canary studs that are experiencing reproductive failures involving; infertility, dead in shell, baby deaths between 1-5 days of age, and offspring that fail to thrive. ZADE is also beneficial during the egg laying cycle for the prevention of egg binding and of sudden death of hens resulting from hypoglycaemia. These two common reproductive disorders relate to the combined effects of insufficient intake of vitamin A and inadequate exposure to direct sunshine.

ZADE Liquid supports the increased needs of vitamin A, vitamin D and calcium during the reproductive cycle and in doing so promotes normal gut function and heightens immunity. For exhibition budgerigars, this immune stimulating function is used to prevent deficiency-related opportunistic infections, including Macrorhabdus (**Megabacteria**, AGY) infection, polyomavirus (**French Moult**) infection, as well as Staphylococcus infection (e.g **“Red Eye Disease”** and **“Yellow Belly”** in babies) and subclinical Chlamydia (**Psittacosis**) infections. For canaries, ZADE Liquid helps prevent **“Tasslefoot”**, **“Black Spot”**, **“Yellow Belly”** and other opportunistic diseases of those birds that are bred indoors and do not receive adequate exposure to direct sunlight.

Following the Winter Pre-Breeding Cleansing Programme, ZADE Liquid is incorporated into the Quikgel Breeding Programme once a week to maintain optimal liver reserves of vitamin A and provide the necessary level of vitamin D to promote the full absorption of dietary calcium. This level of supplementation will satisfy the increased demands of these vitamins during breeding and result in sustained parental vigour in the breeding pairs, enhanced male fertility and promote the development of strong healthy and disease resistant offspring. ZADE Liquid is given for an additional day* when breeding starts or continues into the colder or hotter months of the year to protect against the negative impact of cold or hot weather on fertility and breeding success.

Quikgel & ZADE Breeding Programme for Budgerigars, Canaries & Finches

| In Drinking Water | | On Seed or in Soft Food Mix |
|-------------------|---|--------------------------------|
| Day 1 | KD Powder | Turbobooster, E Powder & Fvite |
| Day 2 | Dufoplus, Ioford & ZADE Liquid | Turbobooster, E Powder & Fvite |
| Day 3 | Dufoplus & Ioford + ZADE Liquid option when breeding continues into summer or winter* | Turbobooster, E Powder & Fvite |
| Day 4 | Quikgel & HiCal | Turbobooster, E Powder & Fvite |
| Day 5 | Quikgel & HiCal | Turbobooster, E Powder & Fvite |
| Day 6 | <i>Optional medication day</i> | Turbobooster, E Powder & Fvite |
| Day 7 | <i>Optional medication day</i> | Turbobooster, E Powder & Fvite |

Following the pre-breeding loading dose ZADE Liquid is incorporated into the Breeding Programme and added to the drinking water for one day each week throughout the breeding season. The overall effect of this addition to the Breeding Programme is to promote exceptional breeding outcomes by sustaining optimal vitamin

A and D levels which enhances fertility, egg quality and embryo vitality and promotes energetic feeding of the young until fledging age. This system of vitamin A and D supplementation follows a weekly plan that continues throughout the entire breeding season.

ZADE LIQUID & Antibiotic Treatment Plans

The immune stimulating functions of ZADE Liquid increase the effectiveness of antibiotic treatment plans and are combined with Quikgel to provide a rapid physical boost and promote a complete recovery. Turbobooster, E Powder and Fvite are added to the seed for the first 5 days of treatment to restore nutritional balance (see below). Under the instruction of Dr. Marshall and/or following the results of culture testing, the prescribed antibiotics, ZADE Liquid and Quickgel are mixed together in the drinking water for the first 2 – 3 days of treatment. The number of days that ZADE Liquid and Quickgel are given as part of this treatment plan varies according to the type of infection diagnosed and the underlying cause of the disease. For example, for studs diagnosed with “**Yellow Belly**”, Moxi-T, ZADE Liquid and Quikgel are prescribed for the first 3 days of antibiotic treatment. Moxi-T is then continued for a further 3 days.

| ZADE Liquid & Antibiotic Treatment Plan | | |
|---|---|--------------------------------|
| | In Drinking Water | Mixed with seed |
| Day 1 | ZADE Liquid & Quikgel + * | Turbobooster, E Powder & Fvite |
| Day 2 | ZADE Liquid & Quikgel + * | Turbobooster, E Powder & Fvite |
| Day 3 | * | Turbobooster, E Powder & Fvite |
| Day 4 | * | Turbobooster, E Powder & Fvite |
| Day 5 | * | Turbobooster, E Powder & Fvite |
| Day 6 | * | Fresh seed |
| Day 7 | KD Powder (<i>at completion of antibiotics</i>) | Fresh seed |

*Prescribed medications

The Immune Stimulating Recovery Plan commences immediately following the antibiotic treatment plan to maximise vitamin A liver reserves. It is also used to optimise vitamin D levels in order to fully replenish bone reserves of calcium. This 4 week plan is recommended prior to and following the breeding season to ensure continuing reproductive success. Zade Liquid, Dufoplus & Ioford are given in the drinking water for 2 days each week followed by KD Powder for 1 day. S76 (high dose 10ml/litre drinking water) and Quikgel (5ml/litre) are then given for 1 day to further stimulate immune function and to prevent the return of opportunistic infections (e.g. Psittacosis, Megabacteria, Staphylococcus, and Aspergillus fungal infections) in birds recovering from disease.

| Immune Stimulating Recovery Plan (4 weeks) | | |
|--|---|--------------------------------|
| | In Drinking Water | Mixed with seed |
| Day 1 | ZADE Liquid, Dufoplus & Ioford | Turbobooster, E Powder & Fvite |
| Day 2 | ZADE Liquid, Dufoplus & Ioford | Turbobooster, E Powder & Fvite |
| Day 3 | KD Powder | Turbobooster, E Powder & Fvite |
| Day 4 | S76 (high dose) & Quikgel | Fvite in dish |
| Day 5 | Fresh water | Fvite in dish |
| Day 6 | Fresh water | Fvite in dish |
| Day 7 | Fresh water | Fvite in dish |