

Stress Mediation Advisory Leaflet No. 3

Bradán Pro-TeX® Koi

Bradán Pro-TeX®Koi is a specially formulated complex of Chaperone-stimulating factor derived by a special extraction process, from the edible fruit *Opuntius ficus indica*. It has been concentrated to maintain a high and consistent activity level for stress modulation in Koi carp. It is classified as a neutraceutical and fish may consume it when added to their water or as a food component.

One application of Bradán Pro-TeX® Koi in food or water will stimulate exogenous Chaperone production for three days. This provides considerable enhancement of the fish's resistance to stressors of whatever form, but especially to handling and transportation stresses. The process should be repeated every three days while the potential stressors are present.

Application of Bradán Pro-TeX® Koi as part of the diet.

To determine the amount of Bradán Pro-TeX® Koi required, estimate the weight of fish in the population and add 1.0ml of Pro-TeX® per 5kg of fish by spraying in solution over a small amount of feed. This should be fed at least two hours and up to 12 hours before the fish are to be moved.

Application of Bradán Pro-TeX® Koi to the water.

If the fish are in a relatively small volume of water then it is economical and easier to apply the Pro-TeX® Koi to the water and have the fish drink it. In this case add 1ml. of Bradán Pro-TeX® Koi per 100ltr of the fish's water and mix thoroughly. It helps if the Pro-TeX® Koi is mixed first with a litre or so of the tank water before adding to the fish's water, to get better mixing. This should be done preferably at least 2 hours before handling or transportation. If this is not possible, then Bradán Pro-TeX® Koi can be added directly to the transport tank or bag, though results will not be as good as when the fish receive it before any stress at all has taken place.

Safety

Bradán Pro-Tex® Koi is safe to handle. It is important not to underdose as there is a threshold effect for the host stress resistance response. Overdosing is quite safe but wasteful of Pro-Tex® Koi. Although Pro-Tex® Koi is a natural product its anti-stressor activity is carefully titrated for each batch to ensure consistency of response and ensure fully effective host response when used as indicated above.

