

## Recommended vitamin levels of foodstuffs for Carp

Based upon recommendations made by an independent organisation, these are the guidelines used by commercial fish feed producers to achieve optimum growth rates of carp and other coarse fish.

Vitamin and mineral levels in bait are areas, which have been greatly overlooked for many years. Anglers addressing these requirements have often improved catch rates as well as giving substantial nutritional benefits to carp, which will thrive and grow on in good health.

Several main vitamins have been found to make a dramatic difference to catch rates through attraction properties. This is undoubtedly why carp feed on certain items almost exclusively. We have all noted certain fish that get caught very rarely or not at all, and this is quite likely to be due to genetic or physiological characteristics that determine the vitamin or mineral requirements can only be satisfied by eating non-bait food items, thus enabling them to avoid capture over long periods of time.

Please note that greatly exceeding vitamin and mineral recommendations can be as detrimental as undersupplying them. **Supplying more is not more effective.**

<b>VITAMIN</b>		<b>REQUIREMENT</b>
<b>A</b>	<b>(IU/Kg)</b>	<b>12,000-20,000</b>
<b>D3</b>	<b>(IU/Kg)</b>	<b>2000</b>
<b>E</b>	<b>(mg/kg)</b>	<b>350-450</b>
<b>K3</b>	<b>(mg/kg)</b>	<b>3</b>
<b>B1</b>	<b>(mg/kg)</b>	<b>10</b>
<b>B2</b>	<b>(mg/kg)</b>	<b>8-10</b>
<b>Pantothenic Acid</b>	<b>(mg/kg)</b>	<b>60-90</b>
<b>Niacin</b>	<b>(mg/kg)</b>	<b>40-50</b>
<b>Pyridoxine</b>	<b>(mg/kg)</b>	<b>8-10</b>
<b>Biotin</b>	<b>(mg/kg)</b>	<b>1</b>
<b>Inositol</b>	<b>(mg/kg)</b>	<b>400-500</b>
<b>Folic Acid</b>	<b>(mg/kg)</b>	<b>6-10</b>
<b>B12</b>	<b>(mg/kg)</b>	<b>0.02-0.05</b>
<b>Choline</b>	<b>(mg/kg)</b>	<b>1500-2000</b>
<b>C</b>	<b>(mg/kg)</b>	<b>80-100</b>

*When formulating baits, bear in mind that different ingredients supply varying amounts of each vitamin; Therefore vitamin supplements should be used at the recommended levels. These levels will be set to ensure a suitable supply can be achieved in the finished bait.*

**This is why we strongly recommend the use of CCM Cyprivit in base mix recipes.**