

Vitamin and Trace Mineral Supplementation¹ (Commercial Stock Diets)



| Nutrient | SOURCE | UNIT | 0 - 42 Days | 43 - 84 Days | >84 Days | % Nutrient Recovery ² |
|----------------------------|--|-------|-------------|--------------|----------|----------------------------------|
| Vitamin A | Vitamin A Acetate (stabilized) | IU/kg | 12,500 | 11,500 | 9,500 | 84 |
| Vitamin D ₃ | Vitamin D ₃ , 25-Hydroxy Vitamin D ₃ | IU/kg | 5,000 | 5,000 | 4,800 | 84 |
| Vitamin E | dl- α Tocopherol Acetate, d- α Tocopherol Acetate | IU/kg | 100 | 70 | 50 | 84 |
| K ₃ (Menadione) | MSBC ³ , MPB ³ , MNB ³ | mg/kg | 5 | 3.5 | 3 | 56 |
| Thiamine | Thiamine Mononitrate | mg/kg | 4 | 3 | 2 | 84 |
| Riboflavin | Riboflavin | mg/kg | 15 | 10 | 8 | 84 |
| Pantothenic Acid | D-calcium Pantothenic Acid | mg/kg | 25 | 18 | 15 | 84 |
| Niacin | Nicotinic Acid, Niacinamide | mg/kg | 85 | 70 | 55 | 84 |
| Pyridoxine | Pyridoxine Hydrochloride | mg/kg | 6.5 | 4.5 | 3.5 | 84 |
| Biotin | Biotin | ug/kg | 270 | 200 | 165 | 84 |
| Folic Acid | Folic Acid | mg/kg | 3 | 2 | 1.5 | 77 |
| Vitamin B ₁₂ | Cyanocobalamin | ug/kg | 30 | 25 | 20 | 74 |
| Choline | Choline Chloride ⁴ | mg/kg | 600 | 550 | 490 | - |
| Manganese | Manganous Oxide, Manganous Sulfate, Manganous Amino-Acid Complex/Chelate, Manganous Proteinate | mg/kg | 100 | 100 | 90 | - |
| Iron | Ferrous Sulfate, Iron Amino-Acid Complex/Chelate, Iron Proteinate | mg/kg | 60 | 60 | 55 | - |
| Copper | Cupric Sulfate, Copper Amino-Acid Complex/Chelate, Copper Proteinate | mg/kg | 15 | 15 | 12 | - |
| Iodine | Calcium Iodate, Ethylene Diamine Dihydriodide (EDDI) | mg/kg | 1.5 | 1.5 | 1.3 | - |
| Zinc | Zinc Oxide, Zinc Sulfate, Zinc Amino-Acid Complex/Chelate, Zinc Proteinate | mg/kg | 100 | 100 | 90 | - |
| Selenium | Sodium Selenite, Selenomethionine, Selenium Proteinate | mg/kg | 0.3 | 0.3 | 0.3 | - |

- Nutrient amounts listed as minimum amount to add to complete feed, as a guideline, regardless of method of heat or chemical processing of feed. Different amounts of vitamins and trace minerals than that listed above may be successful for acceptable flock performance. Such detailed information can be obtained by referring to the "Practical VTM" tab in the "Commercial Nutrient Guidelines Calculator" at <http://resources.hybridturkeys.com/commercial/feed>.
- Minimum allowable nutrient recovery analyzed in complete feed subsequent heat or chemical processing. If nutrient recovery is lower than that specified due to excessive heat or chemical processing of feed, the nutrient amount added to feed should be given consideration to be increased to compensate for that lower recovery.
- Menadione Sodium Bisulfite Complex (MSBC), Menadione Dimethylpyrimidinol Bisulfate (MPB), Menadione Nicotinamide Bisulfite (MNB). MNB is preferred as it is the most stable of the vitamin K sources.
- To improve vitamin stability, Choline Chloride should not be added to a vitamin trace-mineral premix. It should be added directly to the complete feed according to a "Choline" specification.
- Sources of vitamins and trace minerals not listed are not excluded but should be considered on the basis of quality, stability and bioavailability.
- The information contained herein is a guideline only and may not reflect current feed regulations in all geographic regions. Please consult local feed regulations when considering applicability.