

# VITAMIN & MINERAL FEEDING GUIDE FOR DAIRY ANIMALS



## VITAMINS

			0-3 M	3-6 M	6-13 M	BRED	CLOSE-UP	15-20 L	20-25 L	25-30 L	30-40 L
وٹامن اے	Vitamin A ***	IU	6,000	12,000	24,000	48,000	110,000	110,000	125,000	130,000	150,000
وٹامن ڈی	Vitamin D3 ***	IU	1,800	3,600	7,200	14,500	25,000	25,000	25,000	28,000	30,000
وٹامن ای	Vitamin E	IU	50	100	200	500	1,000	800	1,000	1,200	1,500
بائیوٹن	Biotin	mg	2	3	6	12	16	20	20	20	20
نایاسن	Niacin	mg	500	1,000	2,000	4,000	9,500	6,500	9,500	10,000	12,000

## MICRO MINERALS

کوبالٹ	Cobalt	mg	1	1	2	5	5	5	7	8	8
کاپر	Copper*	mg	24	50	100	180	180	220	250	300	320
فیرس	Ferrous	mg	100	200	-	-	-	-	-	-	-
آئیوڈین	Iodine	mg	1	2	4	12	12	20	20	20	20
مینگانیز	Manganese*	mg	110	220	440	850	850	1,000	1,200	1,300	1,400
سلینو میتھائیونین	Selenomethionine**	mg	1	1	2	4	7	4	7	9	10
زنک	Zinc*	mg	110	220	440	850	850	1,000	1,200	1,300	1,400

## MACRO MINERALS

کیلشیم	Calcium	gm	10	20	40	60	50	60	80	90	100
فاسفورس	Phosphorous	gm	9	16	30	40	35	50	60	66	80
میگنیشیم	Magnesium	gm	4	8	12	20	30	40	40	45	50
پوٹاشیم	Potassium	gm	20	40	80	150	60	180	220	250	280
سڈیم	Sodium	gm	6	12	24	45	12	50	60	75	85
سلفر	Sulphur	gm	5	10	20	35	50	45	55	60	60
کلورائیڈ	Chloride	gm	2	3	7	12	45	25	25	25	25

\* Use 50% of the recommendation from organic/chelated source, especially for high producers

\*\* Selenomethionine is functional part of organic selenium

\*\*\* Preferably, use rumen-protected form of Vitamin A & D3  
M (Months of age), L (Liters of milk)

## TOTAL NUTRITION - TOTAL POTENTIAL



Values expressed above are "Total Requirement" per animal daily. Contact us for getting the detailed assessment of your diet and custom premix solutions.

This document is for reference purpose only. Issued as a part of our commitment to help our customers in making better and informed decisions, leading to a sustainable value-chain.

### UNITS CONVERSION

01 Kg = 1000 Grams  
01 Gram = 1000 Milligrams  
01 Milligram = 1000 Micrograms  
01 PPM = 01 Milligram per Kilogram  
01 PPB = 01 Microgram per Kilogram

### ORGANIC MINERALS

Most commonly Chelates of amino acids and Polysaccharides, leading to higher bioavailability of nutrients.

### INORGANIC MINERALS

Hydroxy chlorides, Sulphates, Carbonates and Oxides

آرگینک منرلز سے مراد امالینو ایسڈز یا پولی سیکرائیڈز کے ساتھ جوڑے ہوئے منرلز ہیں

جیکہ ان آرگینک سے مراد آکسائیڈز، سلفیٹ، کلو رائیڈ اور ہائیڈروکس منرلز ہیں