



Feeding Recommendations for Dairy Cattle

For more than 50 years, Zinpro® has made it a priority to bring dairy producers superior trace minerals. When fed as part of the overall nutrition program, Zinpro® Performance Minerals® can help build the foundation for long-term herd performance and profitability.

Lactating, Dry and Close-Up Cows

Research shows that proper trace mineral supplementation during the lactation, dry and close-up periods impacts numerous profit-points in the herd including: reproduction, claw integrity, milk production and quality, udder health and immunity.



Zinpro® Availa® Dairy is formulated with increased levels of zinc and manganese, lower levels of copper, along with research proven levels of cobalt.

Fed at **0.06% DMI** provides:

40 ppm Zn **20** ppm Mn **3.5** ppm Cu **1** ppm Co^a

Benefits of Feeding Zinpro Availa Dairy

- +4%** Milk yield
- +9%** Feed efficiency
- 20%** Somatic cell counts
- +5.5%** Points increase in pregnancy rate
- 13** Days open
- +28%** IgG in colostrum
- 35%** Lameness

Dry Matter Intake		Feeding Rates	
lb	kg	grams	lbs
25	11.3	6.81	0.015
30	13.6	8.17	0.018
35	15.9	9.53	0.021
40	18.1	10.89	0.024
45	20.4	12.26	0.027
50	22.7	13.62	0.030
55	24.9	14.98	0.033
60	27.2	16.34	0.036
65	29.5	17.71	0.039

^a Consider all trace mineral sources and levels in the final diet formulation.

**AVAILA® 4**

Zinpro® Availa® 4 is a nutritional feed ingredient for animals that contains a combination of organic zinc, manganese, copper and cobalt. When an animal has the proper balance of trace minerals it is better able to cope with the challenging effects of stress.

Fed at **7 g/h/d (0.0154 lbs)** delivers:

360 mg Zn **200** mg Mn **125** mg Cu **12.6** mg Co^{ab}

Dry Matter Intake		Zinpro Availa 4 fed at 7 g/h/d (0.0154 lbs)			
lb	kg	Zn, ppm	Mn, ppm	Cu, ppm	Co, ppm
25	11.3	31.8	17.7	11.1	1.1
30	13.6	26.5	14.7	9.2	.93
35	15.9	22.6	12.6	7.9	.79
40	18.1	19.9	11.0	6.9	.70
45	20.4	17.6	9.8	6.1	.62
50	22.7	15.8	8.8	5.5	.56
55	24.9	14.4	8.0	5.0	.51
60	27.2	13.2	7.3	4.6	.46
65	29.5	12.2	6.8	4.2	.43

^a Consider all trace mineral sources and levels in the final diet formulation.

^b Zinpro® 4 Plex will provide same levels with the benefit of specific Zn-methionine, Mn-methionine & Cu-lysine complexes.

^c Zinpro 4 Plex provides double the cobalt when compared to Zinpro Availa 4.

**AVAILA® Zn**

Zinpro® Availa® Zn is a nutritional feed ingredient for animals that contains organic zinc. The trace mineral zinc is required by animals for numerous functions.

Fed at **3 g/h/d (0.006 lbs)** provides: **360** mg^{ab}

Dry Matter Intake		Recommended feeding rate @ 3g (0.006 lbs) ppm	Feeding rate (g/h/d) to achieve:			Feeding rate (lbs/h/d) to achieve:		
lb	kg		20 ppm	40 ppm	60 ppm	20 ppm	40 ppm	60 ppm
25	11.3	31.74	---	3.78	5.67	0.008	0.012	
30	13.6	26.45	---	4.54	6.81	0.010	0.015	
35	15.9	22.67	---	5.29	7.94	0.012	0.017	
40	18.1	19.84	---	6.05	9.07	0.013	0.020	
45	20.4	17.63	3.40	6.81	10.21	0.007	0.015	0.022
50	22.7	15.87	3.78	7.56	11.34	0.008	0.017	0.025
55	24.9	14.43	4.16	8.32	12.48	0.009	0.018	0.027
60	27.2	13.22	4.54	9.07	13.61	0.010	0.020	0.030
65	29.5	12.21	4.92	9.83	14.75	0.011	0.022	0.032

^a Consider all trace mineral sources and levels in the final diet formulation.

^b Zinpro® 120 will provide same levels with the benefit of specific Zn-methionine complex.



For more information:
contact your Zinpro
representative or visit
zinpro.com/dairy