

## Nutrient Analysis Chart

Product	MLS #1	MLS #2	MLS #3	MLS #4	MLS #5	MLS #6	MLS #7	MLS #9
<b>Application</b>	<b>Roughage</b>	<b>Lush Grass</b>	<b>Energy Cake</b>	<b>Horses</b>	<b>Stress</b>	<b>Creep</b>	<b>Stocker</b>	<b>Goat</b>
Lb./Head/Day	1/3 - 1/2	1/3 - 1/2	1/2 - 1	2/3 - 1	see below	1 - 2	1 - 2	1 - 1.6 oz.
% Protein	18 (MO&ND) 21 (TX)	12	20 (MO&ND) 24 (TX)	14	18	16	18	15
% Fat	5	5	5	5	5	5	5	5
% Crude Fiber	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
% Calcium	1 - 1.5	1 - 1.5	.5 - 1	.5 - 1	0.75 - 1.25	0.75 - 1.5	0.75 - 1.25	1 - 2
% Phosphorus	1.5	1.5	1	1	1	1	0.50	1.5
% Salt	none added	none added	none added	none added	2	1	1	none added
% Magnesium	3	4	1.5	2	0.5	1	1	3
% Potassium	4	4	4	4	3	3	3	3
Copper ppm	600	600	300	225	345	160	260	550
Cobalt ppm	none added	none added	none added	none added	14	5.5	18	none added
Iodine ppm	100	100	50	75	70	34	25	100
Manganese ppm	415	415	207	310	510	230	395	1,400
Selenium ppm	9	9	4.5	6.5	6	3	2.2	6.8
Zinc ppm	1,500	1,500	750	1,125	1,440	675	900	2,300
Vit. A IU/LB	220,000	220,000	110,000	165,000	150,000	75,000	55,000	165,000
Vit. D IU/LB	40,000	40,000	20,000	30,000	28,000	13,500	10,000	30,000
Vit. E IU/LB	200	200	100	150	300	68	50	150
Vitamin C	√	√	√	√	√	√	√	√
9 B-Vitamins	√	√	√	√	√	√	√	√
Amaferm®	√	√	√	√	√	√	√	√

**Consumption rate MLS #5:** Feed equivalent total of 20 lbs per head then switch to appropriate MLS product.  
(example 100 calves X 20 lbs equals 2000 lbs total fed then switch to appropriate MLS product)

**Zinpro® Availa®4 is standard in MLS #'s 5, 6, 7, 10, 12 Breeder Mineral & 25 Stocker Mineral**

Product	MLS #10	MLS #11	MLS #12	MLS #12	MLS #13	MLS #20	MLS #25
<b>Application</b>	<b>Dairy</b>	<b>Sheep</b>	<b>Hi-Mineral</b>	<b>Breeder Min</b>	<b>Sheep</b>	<b>Equalizer</b>	<b>Stocker Min</b>
Lb./Head/Day	1/2 - 1	1 - 1.6 oz.	1/4 - 1/3	1/4 - 1/3	2 - 3 oz.	1/3 - 1/2 see below	1/4 - 1/3
% Protein	18	18 (MO&ND) 21 (TX)	5	4	20 (MO&ND) 24 (TX)	10	4
% Fat	5	5	5	5	5	5	5
% Crude Fiber	3	2.5	1	1	5	3	1
% Calcium	1 - 2	1 - 1.5	6 - 6.5	5 - 6	.5 - 1	5.5	7 - 8
% Phosphorus	1.5	1.5	6	5	1	0	5
% Salt	none added	none added	3.5	3.5	none added	none added	none added
% Magnesium	2	3	3	3	1.5	1.5	1.5
% Potassium	3	4	4	4	4	3	3.5
Copper ppm	640	none added	1,100	1900	none added	800	1140
Cobalt ppm	35	none added	none added	84	none added	none added	84
Iodine ppm	90	100	50	50	50	100	100
Manganese ppm	1,250	415	600	1900	207	415	1750
Selenium ppm	8.3	9	9	9	4.5	9	9
Zinc ppm	2,400	1,500	1,600	4000	750	1,500	3900
Vit. A IU/LB	200,000	220,000	200,000	200,000	110,000	220,000	220,000
Vit. D IU/LB	36,800	40,000	45,000	45,000	20,000	40,000	40,000
Vit. E IU/LB	300	200	130	130	100	200	200
Vitamin C	√	√	√	√	√	√	√
9 B-Vitamins	√	√	√	√	√	√	√
Amaferm®	√	√	√	√	√	√	√

**Equalizer** is an all natural protein, energy, concentrated vitamin, major and trace mineral package is specifically formulated for beef cattle being fed Dried Distillers Grains or Corn Gluten Feed. **200 ppm Thiamine added. No added Phosphorus.**