

AZOMITE® SPOTLIGHT

HAY



IN RECENT SIDE-BY-SIDE FIELD TESTS granulated AZOMITE® was blended with fertilizer by local leading fertilizer blenders and applied to hay fields in Utah and Virginia. The following results were observed.



GRASS HAY STUDY:

1/2 ton+ yield increase per acre

3.5 tons per acre with AZOMITE® versus 2.8 tons per acre without AZOMITE®

3.4%

improvement in
Total Digestible
Nutrients (TDN)

62.1% with AZOMITE
vs. 58.5% without
AZOMITE

4.4%

lower Acid
Detergent
Fiber (ADF)

35.5% with AZOMITE
vs. 38.6% without
AZOMITE

5%

higher Crude
Protein

15.8% with AZOMITE
vs. 12.1% without
AZOMITE

28%

improvement
in size/growth
of plants

Find more details
on the reverse side
of this page

Feedstuff Analysis: Grass Hay in Fredricksburg, VA

MIDWEST LABS, INC. | 13611 B ST. OMAHA NE 68144 | WWW.MIDWESTLABS.COM

DRY MATTER (WEIGHT) BASIS

COMPOUND MEASURED	11-151-5160 No AZO	11-151-5159 44 lbs. AZO/ac	11-306-5244 88 lbs. AZO/ac
Crude Protein, %	12.1	12.7	15.8
Acid Detergent Fiber, %	38.6	36.9	35.5
Total Digestible Nutrients, %	58.5	60.5	62.1
Net Energy—Lactation (Mcal/lb)	0.60	0.62	0.64
Net Energy—Maint. (Mcal/lb)	0.57	0.60	0.61
Sulfur, %	0.16	0.21	0.28
Phosphorus, %	0.25	0.29	0.40
Potassium, %	1.75	2.36	1.56
Magnesium, %	0.16	0.25	0.34
Calcium, %	0.22	0.28	0.51
Sodium, %	<0.01	<0.01	0.04
Iron (ppm)	53	67	82
Manganese (ppm)	129	108	103
Copper (ppm)	5	5	7
Zinc (ppm)	22	38	31

ADDITIONAL STUDY ON ALFALFA:

Alfalfa Analysis: Utah & Virginia

DAIRY ONE, INC. AND MIDWEST LABS, INC. REPORTS

DRY MATTER (WEIGHT) BASIS

COMPOUND MEASURED	Utah plus AZO	Utah No AZO	Virginia plus AZO	Virginia No AZO	Virginia plus AZO	Virginia No AZO
Crude Protein, %	24.5	23.6	35.0	28.4	27.2	24.8
Acid Detergent Fiber, %	26.2	27.5	26.3	26.9	28.0	31.4
Total Digestible Nutrients, %	64	63	70.3	69.7	68.5	64.8
Net Energy—Lactation (Mcal/lb)	0.69	0.68	0.73	0.72	0.71	0.67
Net Energy—Maint. (Mcal/lb)	0.64	0.64	0.71	0.71	0.69	0.65
Sulfur, %	0.32	0.31	0.44	0.39	0.53	0.45
Phosphorus, %	0.27	0.28	0.54	0.43	0.36	0.37
Potassium, %	2.39	2.16	4.20	3.17	2.97	2.72
Magnesium, %	0.43	0.44	0.27	0.21	0.29	0.28
Calcium, %	1.70	1.60	1.57	1.62	2.58	2.17
Sodium, %	N.D.	N.D.	<0.01	<0.02	0.01	0.01
Iron (ppm)	N.D.	N.D.	174	84	99	99
Manganese (ppm)	N.D.	N.D.	70	84	77	93
Copper (ppm)	N.D.	N.D.	14	10	12	12
Zinc (ppm)	N.D.	N.D.	32	26	25	24