

**Table 2.** Effect of barley seeding density, grown in hays media using Saline water (NaCl 2000ppm) on the proximate analysis character of 4 days old barley etiolated sprout fodder

Medium	Rice hay				Wheat hay				Egyptian clover hay				Faba bean hay			
	Seeding density %	0%	10%	20%	30%	0%	10%	20%	30%	0%	10%	20%	30%	0%	10%	20%
<b>Tap water</b>																
Moisture %	7.80	6.57	6.44	6.39	7.44	5.88	6.34	6.60	9.62	6.69	6.87	7.52	9.36	6.82	6.88	7.10
Protein %	4.88	5.46	5.66	7.05	4.32	4.52	5.23	6.10	9.96	10.60	10.95	11.25	7.72	8.59	9.13	9.36
Lipid %	0.89	0.93	0.94	1.13	0.21	1.19	1.21	1.25	0.45	1.10	1.14	1.17	0.24	0.32	0.45	0.55
Carbohydrates %	41.23	40.97	41.24	43.75	41.21	43.20	39.99	44.03	19.84	35.97	37.27	39.66	38.56	30.49	31.74	40.16
Fiber %	38.50	38.39	38.56	35.05	45.66	41.04	42.80	38.80	64.04	44.91	43.48	41.84	43.23	51.75	49.90	41.37
Ash %	14.50	14.25	13.60	13.02	8.60	10.32	10.77	9.82	5.71	7.42	7.16	6.44	10.25	8.85	8.78	8.56
Total energy (Kcal/g)	192.5	209.6	196.1	213.4	184.1	200.5	191.8	211.8	123.3	196.2	203.1	214.2	187.3	159.2	167.5	203.0
<b>Saline water(NaCl 2000ppm)</b>																
Moisture %	7.98	6.64	6.24	6.32	7.48	6.02	6.17	6.61	9.33	6.97	7.82	7.43	9.08	6.78	6.68	6.93
Protein %	5.21	5.25	5.76	7.79	4.43	4.63	5.44	6.53	10.48	10.43	11.17	11.67	7.37	8.26	9.00	10.10
Lipid %	0.82	0.94	1.05	1.12	0.19	1.17	1.25	1.90	0.44	0.69	0.84	1.07	0.22	0.15	0.32	0.34
Carbohydrates %	39.73	41.02	42.77	44.41	40.22	41.23	42.28	45.65	18.83	33.73	34.55	38.64	38.42	27.52	33.39	36.42
Fiber %	36.95	37.84	36.28	33.79	44.44	41.58	40.21	35.29	60.24	46.08	43.33	41.22	41.74	54.19	49.19	44.38
Ash %	17.29	14.95	14.14	12.89	10.72	11.66	10.82	10.63	10.01	9.07	10.11	7.40	12.25	9.88	8.10	8.76
Total energy (Kcal/g)	187.1	208.7	203.6	218.9	180.3	192.9	202.1	225.8	121.2	182.9	190.4	210.9	185.1	144.5	172.4	189.1

**Table 3.** Effect of barley seeding density, grown in hays media using Saline water (NaCl 2000ppm) on the fiber fractions of 4 days old barley etiolated sprout dry media (fodder)

Medium	Rice hay				Wheat hay				Egyptian clover hay				Faba bean hay			
Seeding density %	0%	10%	20%	30%	0%	10%	20%	30%	0%	10%	20%	30%	0%	10%	20%	30%
<b>Tap water</b>																
<b>NDF %</b>	66.23	71.25	67.62	62.92	78.81	73.36	71.13	63.39	72.46	65.10	60.89	59.52	73.65	67.54	61.36	59.09
<b>ADF %</b>	53.57	55.03	53.12	48.52	55.31	54.13	50.66	45.11	63.67	56.70	53.92	51.60	65.35	61.35	56.27	50.99
<b>ADL %</b>	9.40	9.45	8.81	9.19	10.64	13.54	11.38	10.04	18.76	17.05	15.44	15.70	16.41	17.83	16.96	13.35
<b>Hemi-cellulose %</b>	12.66	16.23	14.50	14.40	23.50	19.23	20.46	18.27	8.79	8.40	6.96	7.92	8.30	6.19	5.09	5.00
<b>Cellulose %</b>	44.17	45.57	44.31	39.34	44.67	40.60	39.28	35.07	44.91	39.65	38.48	35.90	48.94	43.53	39.31	37.64
<b>Lignin %</b>	4.65	4.22	4.26	3.63	7.27	8.32	7.38	6.60	17.11	15.21	13.96	14.16	13.85	15.04	14.60	11.11
<b>Saline water(NaCl 2000ppm)</b>																
<b>NDF %</b>	66.81	68.62	68.68	66.06	76.20	69.81	67.71	65.13	67.17	63.63	60.91	59.49	68.13	66.99	63.40	59.41
<b>ADF %</b>	50.35	51.74	51.37	48.27	55.10	52.28	48.10	46.39	59.33	54.05	57.23	51.48	59.35	59.17	53.18	49.34
<b>ADL %</b>	10.10	9.04	9.63	8.72	12.20	11.70	11.47	11.31	18.46	17.55	20.29	17.48	14.34	16.57	14.46	13.13
<b>Hemi-cellulose %</b>	16.46	16.88	17.31	17.80	21.10	17.53	19.62	18.74	7.84	9.58	8.68	8.01	8.78	7.82	10.22	10.07
<b>Cellulose %</b>	40.25	42.21	41.75	39.55	42.90	40.57	36.62	35.08	40.87	36.50	36.94	34.00	45.01	42.6	38.72	36.21
<b>Lignin %</b>	4.56	4.43	4.28	3.94	6.76	7.33	7.35	6.91	16.50	15.56	17.12	15.37	12.20	13.62	12.36	10.85

**NDF=Neutral detergent fiber**

**ADF=Acid detergent fiber**

**ADL= Acid detergent lignin**