

**Appendix table 2 : Summary of Analysis of Variance (ANOVA) Table for Plant Height :**

SOURCE OF VARIATION	DEGREE OF FREEDOM	F - VALUE FOR CUTS							
		No. OF CUTS							
		1	2	3	4	5	6	7	8
REPLICATION	3	8.16 **	6.27 **	0.52 <sup>NS</sup>	2.37 *	3.71 *	3.71 *	2.43 *	4.20 *
VARIETIES	3	1.91 <sup>NS</sup>	19.47 **	3.26 *	3.43 *	1.70 <sup>NS</sup>	3.67 *	9.29 **	9.31 **
NITROGEN LEVEL	3	2.99 *	4.23 *	16.93 **	28.59 **	42.94 **	31.49 **	39.68 **	58.50 **
INTERACTION	9	0.19 <sup>NS</sup>	0.30 <sup>NS</sup>	0.11 <sup>NS</sup>	1.06 <sup>NS</sup>	0.65 <sup>NS</sup>	0.76 <sup>NS</sup>	0.33 <sup>NS</sup>	0.69 <sup>NS</sup>
ERROR	45	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	14.94	9.18	10.62	8.83	8.40	10.63	7.60	5.64
ERROR MEAN SQUARE	-	156.63	63.81	97.39	70.76	52.36	62.63	42.91	17.32

\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.

**Appendix table 3 : Summary of Analysis of Variance (ANOVA) Table for Fresh Weight :**

SOURCE OF VARIATION	DEGREE OF	F - VALUE FOR CUTS							
		No. OF CUTS							
		1	2	3	4	5	6	7	8

	<b>FREEDOM</b>								
REPLICATION	3	0.43 <sup>NS</sup>	1.50 <sup>NS</sup>	0.37 <sup>NS</sup>	2.02 <sup>NS</sup>	5.16 <sup>**</sup>	5.11 <sup>**</sup>	2.34 <sup>*</sup>	8.48 <sup>**</sup>
VARIETIES	3	1.47 <sup>NS</sup>	3.16 <sup>*</sup>	0.31 <sup>NS</sup>	0.85 <sup>NS</sup>	1.68 <sup>NS</sup>	0.47 <sup>NS</sup>	2.68 <sup>*</sup>	0.24 <sup>NS</sup>
NITROGEN LEVEL	3	2.33 <sup>*</sup>	8.42 <sup>**</sup>	12.44 <sup>**</sup>	7.31 <sup>**</sup>	49.56 <sup>**</sup>	59.70 <sup>**</sup>	50.48 <sup>**</sup>	67.71 <sup>**</sup>
INTERACTION	9	0.44 <sup>NS</sup>	0.54 <sup>NS</sup>	0.30 <sup>NS</sup>	0.23 <sup>NS</sup>	0.54 <sup>NS</sup>	0.40 <sup>NS</sup>	0.28 <sup>NS</sup>	0.67 <sup>NS</sup>
ERROR	45	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	33.84	30.10	33.11	31.31	24.87	23.31	22.86	23.38
ERROR MEAN SQUARE	-	165082.51	553268.19	663860.74	909880.60	317200.74	151242.82	252564.65	195369.70

\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.

**Appendix table 4 : Summary of Analysis of Variance (ANOVA) Table for Dry Weight :**

SOURCE OF VARIATION	DEGREE OF FREEDOM	F - VALUE FOR CUTS							
		No. OF CUTS							
		1	2	3	4	5	6	7	8
REPLICATION	3	0.58 <sup>NS</sup>	3.48 <sup>*</sup>	0.44 <sup>NS</sup>	2.25 <sup>*</sup>	3.58 <sup>*</sup>	5.77 <sup>**</sup>	3.81 <sup>*</sup>	9.63 <sup>**</sup>
VARIETIES	3	1.05 <sup>NS</sup>	4.58 <sup>**</sup>	0.82 <sup>NS</sup>	2.31 <sup>*</sup>	0.17 <sup>NS</sup>	1.14 <sup>NS</sup>	3.58 <sup>*</sup>	0.03 <sup>NS</sup>
NITROGEN	3	1.63 <sup>NS</sup>	5.41 <sup>**</sup>	12.02 <sup>**</sup>	3.37 <sup>*</sup>	52.87 <sup>**</sup>	44.79 <sup>**</sup>	41.27 <sup>**</sup>	29.16 <sup>**</sup>

LEVEL									
INTERACTION	9	0.45 <sup>NS</sup>	0.29 <sup>NS</sup>	0.79 <sup>NS</sup>	0.30 <sup>NS</sup>	0.24 <sup>NS</sup>	0.84 <sup>NS</sup>	0.83 <sup>NS</sup>	0.65 <sup>NS</sup>
ERROR	45	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	40.18	31.05	26.56	30.11	20.97	21.48	21.92	29.24
ERROR MEAN	-	11612.7	19668.9	17928.3	27498.8	10491.6	8319.60	10402.6	15164.96
SQUARE	-	8	9	4	8	9		4	

\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.

**Appendix table 5 : Summary of Analysis of Variance (ANOVA) Table for Crude Protein (CP%) and Crude Fiber (CF%) :**

SOURCE OF VARIATION	DEGREE OF FREEDOM	F - VALUE FOR CUTS							
		Crude Protein (CP%)				Crude Fiber (CF%)			
		No. OF CUTS				No. OF CUTS			
		1	3	5	7	1	3	5	7
REPLICATION	-	-	-	-	-	-	-	-	-
VARIETIES	3	1.79 <sup>NS</sup>	1.84 <sup>NS</sup>	0.77 <sup>NS</sup>	1.97 <sup>NS</sup>	1.44 <sup>NS</sup>	1.82 <sup>NS</sup>	0.20 <sup>NS</sup>	0.75 <sup>NS</sup>
NITROGEN LEVEL	3	3.14 <sup>*</sup>	1.50 <sup>NS</sup>	2.30 <sup>NS</sup>	1.85 <sup>NS</sup>	3.03 <sup>*</sup>	2.66 <sup>NS</sup>	3.43 <sup>*</sup>	2.92 <sup>NS</sup>
INTERACTION	9	0.26 <sup>NS</sup>	0.34 <sup>NS</sup>	0.05 <sup>NS</sup>	0.15 <sup>NS</sup>	0.61 <sup>NS</sup>	0.05 <sup>NS</sup>	0.24 <sup>NS</sup>	0.06 <sup>NS</sup>
ERROR	48	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	3.29	3.60	6.17	3.42	6.48	4.90	8.91	7.64

ERROR MEAN SQUARE	-	0.14	0.17	0.50	0.15	2.12	1.13	4.75	3.57
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\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.

**Appendix table 6 : Summary of Analysis of Variance (ANOVA) Table for Ether Extract (EE%) and Ash (%) :**

SOURCE OF VARIATION	DEGREE OF FREEDOM	F - VALUE FOR CUTS							
		Ether Extract (EE%)				Ash (%)			
		No. OF CUTS				No. OF CUTS			
		1	3	5	7	1	3	5	7
REPLICATION	-	-	-	-	-	-	-	-	-
VARIETIES	3	1.94 <sup>NS</sup>	0.49 <sup>NS</sup>	0.86 <sup>NS</sup>	0.64 <sup>NS</sup>	1.91 <sup>NS</sup>	1.11 <sup>NS</sup>	3.13 <sup>*</sup>	0.58 <sup>NS</sup>
NITROGEN LEVEL	3	3.40 <sup>*</sup>	3.35 <sup>*</sup>	1.15 <sup>NS</sup>	3.54 <sup>*</sup>	3.94 <sup>*</sup>	3.09 <sup>*</sup>	3.68 <sup>*</sup>	3.73 <sup>*</sup>
INTERACTION	9	1.20 <sup>NS</sup>	0.89 <sup>NS</sup>	0.58 <sup>NS</sup>	1.25 <sup>NS</sup>	0.13 <sup>NS</sup>	0.18 <sup>NS</sup>	0.36 <sup>NS</sup>	0.87 <sup>NS</sup>
ERROR	48	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	21.07	35.20	23.68	17.36	9.52	9.79	15.33	15.71
ERROR MEAN SQUARE	-	0.09	0.29	0.23	0.20	1.90	1.85	3.21	3.18

\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.

**Appendix table 7 : Summary of Analysis of Variance (ANOVA) Table for Nitrogen Free Extract (NFE%) and Metabolizable Energy (ME) :**

SOURCE OF VARIATION	DEGREE OF FREEDOM	F - VALUE FOR CUTS							
		Nitrogen Free Extract (NFE%)				Metabolizable Energy (ME)			
		No. OF CUTS				No. OF CUTS			
		1	3	5	7	1	3	5	7
REPLICATION	-	-	-	-	-	-	-	-	-
VARIETIES	3	0.43 <sup>NS</sup>	0.34 <sup>NS</sup>	1.18 <sup>NS</sup>	0.53 <sup>NS</sup>	1.98 <sup>NS</sup>	1.19 <sup>NS</sup>	1.77 <sup>NS</sup>	0.33 <sup>NS</sup>
NITROGEN LEVEL	3	5.31 <sup>**</sup>	9.70 <sup>**</sup>	6.83 <sup>**</sup>	5.19 <sup>**</sup>	1.42 <sup>NS</sup>	6.45 <sup>**</sup>	5.19 <sup>**</sup>	4.30 <sup>**</sup>
INTERACTION	9	0.87 <sup>NS</sup>	0.61 <sup>NS</sup>	0.59 <sup>NS</sup>	0.37 <sup>NS</sup>	1.00 <sup>NS</sup>	1.13 <sup>NS</sup>	0.68 <sup>NS</sup>	0.54 <sup>NS</sup>
ERROR	48	-	-	-	-	-	-	-	-
TOTAL	63	-	-	-	-	-	-	-	-
C.V. %	-	5.16	4.52	8.12	6.32	3.72	2.90	4.10	3.67
ERROR MEAN SQUARE	-	5.61	3.99	13.69	8.49	0.12	0.70	0.16	0.13

\* = Significant at 5 % level.

\*\* = Highly Significant at 1 % level.

NS = Not Significant.