

## APPENDICES

**Appendix-I Analysis of variance table for plant height (cm) of rice for 2000-01 at various crop growth stages.**

Sources of variation	d.f.	M.S.S. of Plant height at 2000		
		Panicle Stages	Flowering	Maturity
Replication	3	9.991688	35.257896	58.409439
T (Planting methods)	2	51.352861**	146.717900**	204.512332**
Error (A)	6	4.708086	17.423195	21.233109
W (Weed Control)	6	76.184669	204.102176**	326.683734**
TXW (interaction)	12	0.424813 NS	0.934607 N.S.	1.299236 N.S.
Error (B)	54	13.684881	48.610431	57.789289
Total	83	16.411081	52.584843	69.975521

**Appendix-Ia Analysis of variance table for plant height of rice for 2001-02 at various crop growth stages.**

Sources of variation	d.f.	M.S.S. of Plant height at 2001		
		Panicle Stages	Flowering	Maturity
Replication	3	7.698266	28.006265	32.729695
T (Planting methods)	2	44.997273**	122.894551**	197.408840**
Error (A)	6	3.615213	13.313275	15.569717
W (Weed Control)	6	75.608482**	208.166593**	331.578528**
TXW (interaction)	12	0.277187 N.S.	0.751646 N.S.	1.314856 N.S.
Error (B)	54	10.518334	38.486597	38.704750
Total	83	13.972849	45.132280	56.406516

**Appendix-II Analysis of variance table for number of shoots/m<sup>2</sup> of rice for 2000-01 at various crop growth stages.**

Sources of variation	d.f.	M.S.S. of number of shoots/m <sup>2</sup> 2000 at different crop growth stages		
		Panicle	Flowering	Maturity
Replication	3	171.008551	515.873016	192.857121
T (Planting methods)	2	1392.471695**	1037.730934**	1399.280996**
Error (A)	6	78.572843	158.730159	96.428550
W (Weed Control)	6	2010.010073**	2889.419432**	2590.762790**
TXW (interaction)	12	9.019337 N.S.	84.689224 N.S.	9.724098 N.S.
Error (B)	54	239.581384	277.777778	278.5711381
Total	83	347.899073	456.967244	417.587961

**Appendix-III Analysis of variance table for number of shoots/m<sup>2</sup> of rice for 2001-2002 at various crop growth stages.**

Sources of variation	d.f.	M.S.S. of number of shoots/m <sup>2</sup> 2001 at different crop growth stages		
		Panicle Stages	Flowering	Maturity
Replication	3	134.629506	96.428571	152.380991
T (Planting methods)	2	1153.653663**	864.298135**	1166.092814**
Error (A)	6	66.869532	96.428571	76.190486
W (Weed Control)	6	2091.238275**	3017.037725**	2720.229000**
TXW (interaction)	12	6.657813 N.S.	34.550524 N.S.	6.515558 N.S.
Error (B)	54	203.549524	190.178571	220.105839
Total	83	322.066100	378.108057	379.900791

**Appendix-IV Analysis of variance table for dry matter accumulation/m<sup>2</sup> (g) at various crop growth stages of Basmati rice for 2000-2001**

Sources of variation	d.f.	M.S.S. of dry matter accumulation at 2000		
		Panicle Stages	Flowering	Maturity
Replication	3	186.280326	1058.919702	2474.049572
T (Planting methods)	2	788.893719**	3029.971678**	12934.321876**
Error (A)	6	97.074607	506.960657	1423.916034
W (Weed Control)	6	1345.372687**	4568.495997**	20832.211450**
TXW (interaction)	12	6.995568 N.S.	17.666678 N.S.	102.160053N.S.
Error (B)	54	286.874328	1377.151564	5287.040624
Total	83	317.668204	1376.718750	5464.499247

**Appendix-V Analysis of variance table for dry matter accumulation g/m<sup>2</sup> of the various crop growth stages of Basmati rice for 2001-2002**

Sources of variation	d.f.	M.S.S. of dry matter accumulation at 2000		
		Panicle Stages	Flowering	Maturity
Replication	3	116.958412	860.620197	1222.523077
T (Planting methods)	2	686.841631**	2608.40083**	11642.975799**
Error (A)	6	55.612703	388.101066	776.093106
W (Weed Control)	6	1324.345314**	4739.800674**	20575.207431**
TXW (interaction)	12	4.899687 N.S.	14.697097N.S.	70.346555N.S.
Error (B)	54	161.452736	11987.744500	2846.035023
Total	83	226.283697	1246.682605	3730.018072

**Appendix-VI Analysis of variance table for number of days taken to panicle emergence of basmati rice for 2000-2001 and 2001-2002**

Sources of variation	d.f.	2000	2001
		Days taken to panicle emergence M.S.S. crop growth stages	
Replication	3	3.269841	5.206349
T (Planting methods)	2	104.190476**	82.285714**
Error (A)	6	1.841270	2.920635
W (Weed Control)	6	211.047619**	210.222222**
TXW (interaction)	12	0.190476 N.S.	0.507937 N.S.
Error (B)	54	5.42857	2.497354
Total	83	21.57740	19.277108

**Appendix-VII Analysis of variance table for number of days taken to 50% flowering of basmati rice for 2000-2001 and 2001-2002**

Sources of variation	d.f.	2000	2001
		M.S.S. for number of days taken for 50 flowering	
Replication	3	3.428571	2.380952
T (Planting methods)	2	112.761905	112.761905**
Error (A)	6	1.714286	1.190476
W (Weed Control)	6	46.158730**	49.206343**
TXW (interaction)	12	8.539683 N.S.	6.206349 N.S.
Error (B)	54	4.952381	3.439153
Total	83	10.758463	7.014917

**Appendix-VIII Analysis of variance table for number of days taken to maturity of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for days taken to maturity	
Replication	3	11.523810	10.170635
T (Planting methods)	2	57.333333**	40.440476**
Error (A)	6	5.761905	4.932540
W (Weed Control)	6	66.412698**	49.329355**
TXW (interaction)	12	0.888889 N.S.	2.329365 N.S.
Error (B)	54	16.645503	14.085979
Total	83	17.973609	14.765778

**Appendix-IX Analysis of variance table for number of panicle/m<sup>2</sup> of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. of number of panicle/m <sup>2</sup>	
Replication	3	45.492063	66.555556
T (Planting methods)	2	131.619048**	186.333333**
Error (A)	6	24.539683	23.126984
W (Weed Control)	6	1103.301587**	1174.650794**
TXW (interaction)	12	2.063492 N.S.	5.555556 N.S.
Error (B)	54	71.523810	82.047619
Total	83	133.178429	147.665521

**Appendix-X Analysis of variance table for panicle length (cm) of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. of panicle length (cm)	
Replication	3	1.884857	1.446181
T (Planting methods)	2	15.169603**	14.443321**
Error (A)	6	0.951571	0.731824
W (Weed Control)	6	22.445933**	21.797269**
TXW (interaction)	12	0.126044 N.S.	0.117311 N.S.
Error (B)	54	2.761296	2.102179
Total	83	3.939773	3.413548

**Appendix-XI Analysis of variance table for number of grains panicle of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for number of grains per panicle	
Replication	3	10.000000	9.916667
T (Planting methods)	2	63.047619**	24.297619**
Error (A)	6	4.761905	5.154762
W (Weed Control)	6	452.825397**	424.361111**
TXW (interaction)	12	1.492063 N.S.	1.908730 N.S.
Error (B)	54	13.174603	10.779101
Total	83	43.746414	39.282129

**Appendix-XII Analysis of variance table for grain weight (g) per panicle of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for Grain weight (g) per panicle	
Replication	3	0.002578	0.001730
T (Planting methods)	2	0.010533**	0.002800**
Error (A)	6	0.001321	0.000678
W (Weed Control)	6	0.078775**	0.072038**
TXW (interaction)	12	0.000222 N.S.	0.000400 N.S.
Error (B)	54	0.004406	0.001829
Total	83	0.009036	0.006634

**Appendix-XIII Analysis of variance table for 1000, grain weight (g) of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for 1000 grain weight (g)	
Replication	3	0.709381	0.538410
T (Planting methods)	2	8.042583**	7.916875**
Error (A)	6	0.384048	0.287576
W (Weed Control)	6	11.866380**	11.975104**
TXW (interaction)	12	0.063813 N.S.	0.063343 N.S.
Error (B)	54	1.141288	0.783669
Total	83	1.856762	1.615700

**Appendix-XIV Analysis of variance table for biological yield q/ha of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for biological yield (q/ha)	
Replication	3	19.362588	16.710571
T (Planting methods)	2	91.670931	143.463517**
Error (A)	6	9.194136	8.138687
W (Weed Control)	6	283.630308**	477.505867**
TXW (interaction)	12	13.321289 N.S.	0.712511 N.S.
Error (B)	54	27.762506	24.100742
Total	83	44.065147	54.950707

**Appendix-XV Analysis of variance table for grain yield (q/ha) of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for grain yield	
Replication	3	4.712333	3.963877
T (Planting methods)	2	31.257721**	25.309717**
Error (A)	6	2.36633	1.864091
W (Weed Control)	6	109.200770**	96.103784**
TXW (interaction)	12	0.179511 N.S.	0.098489 N.S.
Error (B)	54	7.477612	5.780648
Total	83	13.879517	11.610301

**Appendix-XVI Analysis of variance table for straw yield (q/ha) of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for straw yield (q/ha)	
Replication	3	6.738341	5.253688
T (Planting methods)	2	30.138639**	48.744518**
Error (A)	6	3.664419	2.532019
W (Weed Control)	6	96.758387**	145.373045
TXW (interaction)	12	4.374204 N.S.	0.492823 N.S.
Error (B)	54	10.2526615	7.568475
Total	83	15.315172	17.051706

**Appendix-XVII Analysis of variance table for Harvest index (%) of basmati rice for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for Harvest Index (%)	
Replication	3	0.150279	0.13947
T (Planting methods)	2	0.000133 N.S.	0.330537**
Error (A)	6	0.069822	0.083199
W (Weed Control)	6	0.011975 N.S.	0.603441*
TXW (interaction)	12	0.002880 N.S.	0.174422 N.S.
Error (B)	54	0.205842	0.275089
Total	83	0.145688	0.266828

**Appendix-XVIII Analysis of variance table for N- content in basmati grain for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for N-Content in grain	
Replication	3	0.000019	0.000016
T (Planting methods)	2	0.000084**	0.000063
Error (A)	6	0.000009	0.000008
W (Weed Control)	6	0.000595**	0.000609**
TXW (interaction)	12	0.000001 N.S.	0.000002 N.S.
Error (B)	54	0.000027	0.000023
Total	83	0.000064	0.000062

**Appendix-XIX Analysis of variance table for N- content in Basmati straw for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for N- Content in Straw	
Replication	3	0.000017	0.000013
T (Planting methods)	2	0.000028*	0.000021*
Error (A)	6	0.000008	0.000007
W (Weed Control)	6	0.000119**	0.000120**
TXW (interaction)	12	0.000000 N.S.	0.000002 N.S.
Error (B)	54	0.000023	0.000017
Total	83	0.000026	0.000022

**Appendix-XX Analysis of variance table for N-uptake by rice grain (kg/ha) for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for N-uptake by grain (kg/ha)	
Replication	3	4.113376	4.670929
T (Planting methods)	2	56.062664**	45.009990**
Error (A)	6	2.413320	2.236759
W (Weed Control)	6	199.558585**	175.916650**
TXW (interaction)	12	0.281819 N.S.	0.157977 N.S.
Error (B)	54	7.637487	6.265282
Total	83	21.109668	18.231022

**Appendix-XXI Analysis of variance table for N-uptake by rice straw for 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for N-uptake by straw (kg/ha)	
Replication	3	2.444484	2.099822
T (Planting methods)	2	10.239524**	15.863344**
Error (A)	6	1.257255	0.981270
W (Weed Control)	6	32.726834**	48.143673**
TXW (interaction)	12	1.272729 N.S.	0.164333 N.S.
Error (B)	54	4.028183	3.205706
Total	83	5.596525	6.118745

**Appendix-XXII Analysis of variance table for number of grassy weeds/m<sup>2</sup> at 30 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for number of grassy weeds/m <sup>2</sup> at 30 DAS	
Replication	3	0.126111	0.197241
T (Planting methods)	2	3.785940**	5.562662**
Error (A)	6	0.083929	0.122438
W (Weed Control)	6	32.729555**	36.420030**
TXW (interaction)	12	0.153711	0.233572 N.S.
Error (B)	54	0.199096	0.302249
Total	83	2.619601	3.013785

**Appendix-XXIII Analysis of variance table for number of grassy weeds/m<sup>2</sup> at 60 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for No. of grassy weeds/m <sup>2</sup> at 60 DAS	
Replication	3	0.132486	0.171561
T (Planting methods)	2	0.689313**	0.578844**
Error (A)	6	0.365073	0.077358
W (Weed Control)	6	35.398675**	37.551159**
TXW (interaction)	12	0.024433 N.S.	0.027081
Error (B)	54	0.174595	0.236803
Total	83	2.689893	2.898263



**Appendix-XXIV Analysis of variance table number of grassy weeds/ m<sup>2</sup> at maturity in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for number of grassy weeds/m <sup>2</sup> at maturity	
Replication	3	0.150951	0.137069
T (Planting methods)	2	0.769182**	0.634945**
Error (A)	6	0.071589	0.067824
W (Weed Control)	6	31.342048**	33.845610**
TXW (interaction)	12	0.028793	0.026939 N.S.
Error (B)	54	0.265573	0.245432
Total	83	2.471801	2.620958

**Appendix-XXV Analysis of variance table for number of broad leaved weeds/m<sup>2</sup> at 30 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for No. broad leaved weeds/m <sup>2</sup> at 30 DAS	
Replication	3	0.013197	0.020245
T (Planting methods)	2	0.067886**	0.045368**
Error (A)	6	0.009215	0.010510
W (Weed Control)	6	3.079843**	3.421290**
TXW (interaction)	12	0.002919 N.S.	0.001413 N.S.
Error (B)	54	0.018338	0.025732
Total	83	0.237771	0.266852

**Appendix-XXVI Analysis of variance table for number of grassy broad leaved weeds/m<sup>2</sup> at 60 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for No. of broad leaved weeds/m <sup>2</sup> at 60 DAS	
Replication	3	0.037031	0.053707
T (Planting methods)	2	0.108442**	0.250333**
Error (A)	6	0.017700	0.026017
W (Weed Control)	6	4.106021**	4.657881**
TXW (interaction)	12	0.005628 N.S.	0.016463 N.S.
Error (B)	54	0.052554	0.073524
Total	83	0.337010	0.397571

**Appendix-XXVII Analysis of variance for number of broad leaved weeds/m<sup>2</sup> at maturity in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for No. of broad leaves weeds/m <sup>2</sup> at maturity	
Replication	3	0.021942	0.025112
T (Planting methods)	2	0.309032**	0.168546**
Error (A)	6	0.010897	0.12493
W (Weed Control)	6	4.0059808**	4.136589**
TXW (interaction)	12	0.014057 N.S.	0.017714 N.S.
Error (B)	54	0.038427	0.044252
Total	83	0.330268	0.336013

**Appendix-XXVIII Analysis of variance table for number of sedges weeds/m<sup>2</sup> at 30 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for sedges weeds/m <sup>2</sup> at 30 DAS	
Replication	3	0.119744	0.195022
T (Planting methods)	2	4.704993**	5.247538**
Error (A)	6	0.060200	0.096601
W (Weed Control)	6	29.461004**	34.809239**
TXW (interaction)	12	0.196226 N.S.	0.193394 N.S.
Error (B)	54	0.170582	0.277258
Total	83	2.391116	2.865156

**Appendix-XXIX Analysis of variance table for sedges weeds/m<sup>2</sup> at 60 DAS in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for sedges weeds/m <sup>2</sup> at 60 DAS	
Replication	3	0.177609	0.255014
T (Planting methods)	2	5.762153**	5.851641**
Error (A)	6	0.099596	0.132645
W (Weed Control)	6	34.865193**	38.850147
TXW (interaction)	12	0.252892 N.S.	0.245715 N.S.
Error (B)	54	0.251460	0.345429
Total	83	2.873005	3.226516

**Appendix-XXX Analysis of variance table for sedges weeds/m<sup>2</sup> at maturity in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for sedges weeds/m <sup>2</sup> at maturity	
Replication	3	0.106236	0.156112
T (Planting methods)	2	4.797284**	4.679854**
Error (A)	6	0.060958	0.082461
W (Weed Control)	6	27.524305**	30.204925**
TXW (interaction)	12	0.198970 N.S.	0.261205
Error (B)	54	0.168084	0.236071
Total	83	2.561675	2.499212

**Appendix-XXXI Analysis of variance table for total grassy weeds/m<sup>2</sup> in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for total grassy weeds/m <sup>2</sup>	
Replication	3	0.306299	0.444066
T (Planting methods)	2	4.172660**	4.996042**
Error (A)	6	0.169970	0.234321
W (Weed Control)	6	109.840538**	118.993500**
TXW (interaction)	12	0.136097 N.S.	0.193944 N.S.
Error (B)	54	0.454634	0.664520
Total	83	8.379047	9.215694

**Appendix-XXXII Analysis of variance table for total broad leaved weeds/m<sup>2</sup> in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for total broad leaved weeds/m <sup>2</sup>	
Replication	3	0.116715	0.106824
T (Planting methods)	2	0.465700**	0.409410**
Error (A)	6	0.068184	0.063029
W (Weed Control)	6	14.672096**	15.888259**
TXW (interaction)	12	0.017057	0.023003 N.S.
Error (B)	54	0.152646	0.135968
Total	83	1.182781	1.258618

**Appendix-XXXIII Analysis of variance table for total sedges weeds/m<sup>2</sup> in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for total sedges weeds/m <sup>2</sup>	
Replication	3	0.515873	0.746034
T (Planting methods)	2	15.241648**	15.903200**
Error (A)	6	0.253247	0.352658
W (Weed Control)	6	103.236870**	116.660793**
TXW (interaction)	12	0.663524 N.S.	0.643842
Error (B)	54	0.634736	0.917454
Total	83	8.376020	9.558961

**Appendix-XXXIV Analysis of variance table for dry weight g/m<sup>2</sup> of grassy weeds in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for dry weight g/m <sup>2</sup> for grassy weeds	
Replication	3	2.221845	2.375933
T (Planting methods)	2	8.580248**	11.239941**
Error (A)	6	1.202821	1.649500
W (Weed Control)	6	184.957638**	180.911719
TXW (interaction)	12	0.295114 N.S.	0.364854
Error (B)	54	2.081773	2.630070
Total	83	13.695735	15.317795

**Appendix-XXXV Analysis of variance table for dry weight g/m<sup>2</sup> of broad leaved weeds in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for dry weight g/m <sup>2</sup> broad leaved	
Replication	3	0.215356	0.281464
T (Planting methods)	2	0.924400**	0.840248**
Error (A)	6	0.152903	0.190425
W (Weed Control)	6	13.439327**	15.149816**
TXW (interaction)	12	0.036022 N.S.	0.057769 N.S.
Error (B)	54	0.231398	0.301271
Total	83	1.168386	1.343712

**Appendix-XXXVI Analysis of variance table for dry weight of sedges weeds (g/m<sup>2</sup>) in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for dry weight of sedges weeds (g/m <sup>2</sup> )	
Replication	3	1.177235	1.726771
T (Planting methods)	2	21.122112**	23.250421**
Error (A)	6	0.688750	0.966014
W (Weed Control)	6	50.616089**	65.474818**
TXW (interaction)	12	0.614736 N.S.	0.859219 N.S.
Error (B)	54	1.328640	1.903189
Total	83	5.213595	6.788059

**Appendix-XXXVII Analysis of variance table for total Dry weight of weed g/m in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for total dry weight g/m <sup>2</sup>	
Replication	3	9.302090	12.709121
T (Planting methods)	2	70.966096**	80.714543**
Error (A)	6	5.928003	7.658035
W (Weed Control)	6	516.272772**	609.569514**
TXW (interaction)	12	2.128999 N.S.	2.636823 N.S.
Error (B)	54	9.838202	13.505541
Total	83	46.504250	56.191118

**Appendix-XXXVIII Analysis of variance table for N- uptake by weeds (kg/ha) in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for N-uptake by weeds/m <sup>2</sup>	
Replication	3	30.474726	40.174302
T (Planting methods)	2	278.124667**	316.399445**
Error (A)	6	19.590559	23.842445
W (Weed Control)	6	2024.166308**	2389.695168**
TXW (interaction)	12	8.342547	10.330445N.S.
Error (B)	54	32.270452	42.794167
Total	83	177.746141	212.664319

**Appendix-XXXIX Analysis of variance table for root length (cm) in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for root length (cm)	
Replication	3	0.245130	0.139457
T (Planting methods)	2	1.456705**	2.105591**
Error (A)	6	0.110930	0.060519
W (Weed Control)	6	12.312310**	13.691510**
TXW (interaction)	12	0.008616 N.S.	0.051902 N.S.
Error (B)	54	0.311709	0.180961
Total	83	1.146106	1.175152

**Appendix-XXXX Analysis of variance table for weight of root (g) in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for weight of root (g)	
Replication	3	0.010546	0.005150
T (Planting methods)	2	0.230457**	0.205814**
Error (A)	6	0.004909	0.003108
W (Weed Control)	6	0.420305**	0.415719**
TXW (interaction)	12	0.006257 N.S.	0.006381 N.S.
Error (B)	54	0.012491	0.007874
Total	83	0.045704	0.041504

**Appendix-XXXXI Analysis of variance table for volume of root C.C. in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for volume of root C.C.	
Replication	3	0.078721	0.054879
T (Planting methods)	2	0.163790*	0.173162**
Error (A)	6	0.041578	0.032165
W (Weed Control)	6	0.452209**	0.396305**
TXW (interaction)	12	0.002190 N.S.	0.002095 N.S.
Error (B)	54	0.072659	0.049192
Total	83	0.090799	0.069437

**Appendix-XXXII Analysis of gross Income Rs./ha in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		Gross income Rs./ha	
Replication	3	5273654.380951	4937282.000000**
T (Planting methods)	2	72146489.333326**	59045884.000000
Error (A)	6	2413352.239096	2358290.952387**
W (Weed Control)	6	251735415.745029	223374098.539685 N.S.
TXW (interaction)	12	388239.55556N.S.	225436.444443 N.S.
Error (B)	54	7610924.322751	7388846.042328
Total	83	25603034.402629	22759066.216958

**Appendix-XXXIII Analysis of variance table for net income (Rs./ha) in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for net income Rs./ha	
Replication	3	3252506.032	665611.841
T (Planting methods)	2	12590809.333**	6419093.905**
Error (A)	6	1599549.651	378952.460
W (Weed Control)	6	72030460.762**	57025118.667**
TXW (interaction)	12	401551.333 N.S.	230865.905 N.S.
Error (B)	54	1310387.852	173082.921
Total	83	6654206.458	5097669.618

**Appendix-XXXIV Analysis of variance table for benefit cost ratio in 2000 and 2001**

Sources of variation	d.f.	2000	2001
		M.S.S. for benefit cost ratio	
Replication	3	0.002308	0.002298
T (Planting methods)	2	0.011676**	0.007086**
Error (A)	6	0.001737	0.00775
W (Weed Control)	6	0.038432**	0.031238**
TXW (interaction)	12	0.00565 N.S.	0.00219 N.S.
Error (B)	54	0.003327	0.001934
Total	83	0.005516	0.003858