

APPENDIX XII

Table 1: Physiological cost in terms of Postural Stress (°) during the activity of Digging of Land by Women Farmers with Traditional and Modified Technology.

Treat- ment	Subject	Angle of Normal Curve		Angle while Bending		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	217.3	201.3	7.30	3.30
	S ₂	212	200	218.9	203.4	6.90	3.40
	S ₃	211	198	217.6	201.6	6.60	3.60
	S ₄	210	199	217.0	202.3	7.00	3.30
	S ₅	214	199	219.0	203.6	5.00	4.60
	S ₆	212	198	217.9	201.6	5.90	3.60
	Mean	211.5	198.66	217.95	202.3	6.45	3.63
T ₂	S ₁	210	198	212.3	199.1	2.30	1.10
	S ₂	212	200	214.9	201.2	2.90	1.20
	S ₃	211	198	213.2	199.3	2.20	1.30
	S ₄	210	199	213.0	200.3	3.00	1.30
	S ₅	214	199	216.5	200.0	2.50	1.00
	S ₆	212	198	214.7	199.7	2.70	1.70
	Mean	211.5	198.66	214.1	199.93	2.60	1.26

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 2: Physiological cost in terms of Postural Stress (°) during the activity of Leveling of Land by Women Farmers with Traditional and Modified Technologies.

Treatment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	215.3	203.9	5.3	5.9
	S ₂	212	200	216.7	204.0	4.7	4.0
	S ₃	211	198	215.9	201.8	4.9	4.2
	S ₄	210	199	215.6	204.2	5.6	5.2
	S ₅	214	199	217.5	203.4	3.5	4.4
	S ₆	212	198	216.5	201.6	4.5	3.6
	Mean	211.5	198.66	216.25	204.33	4.75	4.55
T ₂	S ₁	210	198	212.3	199.0	2.3	1.0
	S ₂	212	200	213.9	201.0	1.9	1.0
	S ₃	211	198	213.9	199.5	2.9	1.5
	S ₄	210	199	211.9	200.9	1.9	1.9
	S ₅	214	199	216.5	200.1	2.5	1.1
	S ₆	212	198	213.9	199.5	1.4	1.5
	Mean	211.5	198.66	213.48	200.0	2.3	1.33

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 3: Physiological cost in terms of Postural Stress (°) during the activity of Application of Manure by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	213.4	200.1	3.40	2.10
	S ₂	212	200	215.2	201.4	3.20	1.40
	S ₃	211	198	212.9	199.7	1.90	1.70
	S ₄	210	199	211.9	200.3	1.90	1.30
	S ₅	214	199	216.1	200.2	2.10	1.20
	S ₆	212	198	214.3	199.5	2.30	1.50
	Mean	211.5	198.66	213.96	200.20	2.46	1.53
T ₂	S ₁	210	198	212.7	199.5	2.70	1.50
	S ₂	212	200	213.5	201.3	1.50	1.30
	S ₃	211	198	212.6	199.3	1.60	1.30
	S ₄	210	199	211.7	200.1	1.70	1.10
	S ₅	214	199	215.1	200.3	1.10	1.30
	S ₆	212	198	213.7	199.7	1.70	1.70
	Mean	211.5	198.66	213.21	200.03	1.71	1.36

T₁ = Traditional Technologies

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 4: Physiological cost in terms of Postural Stress (°) during the activity of Sowing by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	218.3	201.4	8.3	3.4
	S ₂	212	200	219.3	202.1	7.3	2.1
	S ₃	211	198	218.9	202.0	7.9	4.0
	S ₄	210	199	213.1	201.0	8.1	2.0
	S ₅	214	199	220.2	201.3	6.2	2.3
	S ₆	212	198	219.5	202.9	7.5	4.9
	Mean	211.5	198.66	219.05	201.78	7.55	3.11
T ₂	S ₁	210	198	211.6	199.1	1.6	1.1
	S ₂	212	200	212.3	201.2	0.3	1.2
	S ₃	211	198	213.0	199.5	2.0	1.5
	S ₄	210	199	211.3	200.3	1.3	1.3
	S ₅	214	199	215.6	200.1	1.6	1.1
	S ₆	212	198	213.6	199.7	1.9	1.7
	Mean	211.5	198.66	212.9	199.93	1.45	1.31

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 5: Physiological cost in terms of Postural Stress (°) during the activity of Interculture by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	216.9	203.5	6.90	5.50
	S ₂	212	200	217.9	204.1	5.90	4.10
	S ₃	211	198	216.5	204.3	5.50	6.30
	S ₄	210	199	216.8	203.2	6.80	4.20
	S ₅	214	199	219.7	204.5	5.70	5.50
	S ₆	212	198	217.5	203.6	5.50	5.60
	Mean	211.5	198.66	217.55	203.86	6.05	5.2
T ₂	S ₁	210	198	215.5	200.0	2.50	2.00
	S ₂	212	200	214.7	201.3	2.70	1.30
	S ₃	211	198	213.5	199.5	2.50	1.50
	S ₄	210	199	213.5	200.4	3.50	1.40
	S ₅	214	199	216.4	200.8	2.40	1.00
	S ₆	212	198	215.0	199.7	3.00	1.70
	Mean	211.5	198.66	214.76	200.28	2.76	1.48

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 6: Physiological cost in terms of Postural Stress (°) during the activity of Hoeing by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	213.0	201.4	8.00	3.40
	S ₂	212	200	218.5	203.6	6.50	3.60
	S ₃	211	198	217.7	201.9	6.70	3.90
	S ₄	210	199	217.1	202.4	7.10	3.40
	S ₅	214	199	219.7	203.7	5.70	4.70
	S ₆	212	198	217.5	201.6	5.50	3.60
	Mean	211.5	198.66	218.08	202.43	6.58	3.76
T ₂	S ₁	210	198	212.4	199.2	2.40	1.20
	S ₂	212	200	214.7	201.5	2.70	1.50
	S ₃	211	198	213.5	199.4	1.50	1.40
	S ₄	210	199	213.1	200.1	3.10	1.10
	S ₅	214	199	217.0	200.2	3.00	1.20
	S ₆	212	198	214.9	199.5	2.90	1.50
	Mean	211.5	198.66	214.26	199.98	2.6	1.31

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 7: Physiological cost in terms of Postural Stress (°) during the activity of Weeding by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	215.8	203.7	5.80	5.70
	S ₂	212	200	216.9	203.7	4.90	3.70
	S ₃	211	198	215.7	204.6	4.70	6.60
	S ₄	210	199	216.1	204.5	6.10	5.50
	S ₅	214	199	217.8	205.3	3.80	6.30
	S ₆	212	198	216.5	204.1	4.50	6.10
	Mean	211.5	198.66	216.46	204.31	4.96	5.65
T ₂	S ₁	210	198	212.4	199.1	2.40	1.10
	S ₂	212	200	213.7	201.0	1.70	1.00
	S ₃	211	198	213.8	199.7	2.80	1.70
	S ₄	210	199	211.8	200.7	1.80	1.70
	S ₅	214	199	216.7	200.2	2.70	1.20
	S ₆	212	198	213.5	199.6	1.50	1.60
	Mean	211.5	198.66	213.65	200.05	2.15	1.38

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 8: Physiological cost in terms of Postural Stress (°) during the activity of Harvesting by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	216.8	202.1	6.80	4.1
	S ₂	212	200	216.7	203.5	4.20	3.50
	S ₃	211	198	215.6	203.6	4.60	5.6
	S ₄	210	199	216.2	203.4	6.20	4.4
	S ₅	214	199	217.7	203.9	3.70	4.90
	S ₆	212	198	216.5	203.7	4.50	5.7
	Mean	211.5	198.66	216.58	203.36	5.00	4.7
T ₂	S ₁	210	198	216.5	202.0	6.50	4.00
	S ₂	212	200	216.3	203.1	4.30	3.10
	S ₃	211	198	215.0	203.4	4.00	5.40
	S ₄	210	199	216.0	203.0	6.00	4.00
	S ₅	214	199	217.0	203.5	3.50	4.50
	S ₆	212	198	216.3	203.4	4.30	5.40
	Mean	211.5	198.66	216.26	203.06	4.76	4.4

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 9: Physiological cost in terms of Postural Stress (°) during the activity of Threshing by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	215.6	201.7	5.60	3.70
	S ₂	212	200	216.5	204.1	4.50	4.20
	S ₃	211	198	215.6	202.6	4.60	4.60
	S ₄	210	199	215.7	204.3	5.70	5.30
	S ₅	214	199	218.7	203.7	4.70	4.70
	S ₆	212	198	216.3	202.7	4.30	4.70
	Mean	211.5	198.66	216.4	203.18	4.90	4.53
T ₂	S ₁	210	198	215.2	201.5	5.2	3.5
	S ₂	212	200	216.1	204.0	4.1	4.0
	S ₃	211	198	215.5	202.5	4.5	4.5
	S ₄	210	199	215.2	204.2	5.2	5.2
	S ₅	214	199	218.3	203.4	4.3	4.3
	S ₆	212	198	216.0	202.0	4.0	4.0
	Mean	211.5	198.66	216.05	202.93	4.55	4.25

T₁ = Traditional Technologies.

T₂ = Modified Technologies.

U = Upper Back

L = Lower Back

Table 10: Physiological cost in terms of Postural Stress (°) during the activity of Winnowing by Women Farmers with Traditional and Modified Technologies.

Treat- ment	Subject	Angle of Normal Curve (°)		Angle while Bending (°)		Angle of Deviation (°)	
		U	L	U	L	U	L
T ₁	S ₁	210	198	214.9	201.8	4.90	3.80
	S ₂	212	200	216.8	204.5	4.8	4.50
	S ₃	211	198	215.5	201.5	4.70	3.50
	S ₄	210	199	215.8	203.4	5.80	4.40
	S ₅	214	199	218.1	203.4	4.1	4.10
	S ₆	212	198	216.8	201.9	4.80	3.90
	Mean	211.5	198.66	216.31	202.7	4.80	4.033
T ₂	S ₁	210	198	214.5	201.0	4.5	3.60
	S ₂	212	200	216.8	204.0	4.8	4.00
	S ₃	211	198	215.2	201.0	4.50	3.00
	S ₄	210	199	215.8	203.4	5.40	4.00
	S ₅	214	199	218.0	203.1	4.0	4.10
	S ₆	212	198	216.4	201.8	4.40	3.80
	Mean	211.5	198.66	216.11	202.48	4.60	3.75

T₁ = Traditional Technologies.

T₂ = Modified Technologies

U = Upper Back

L = Lower Back