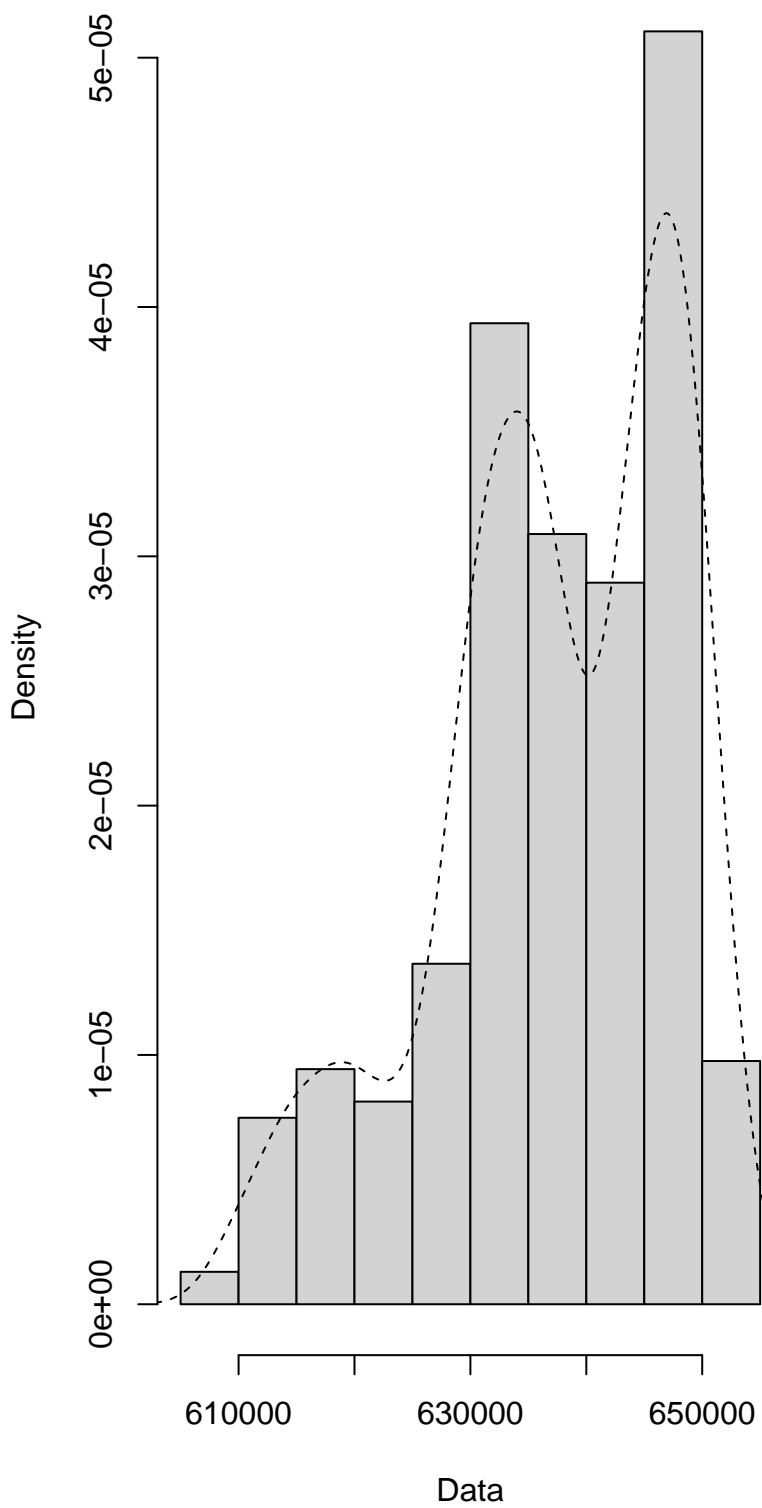


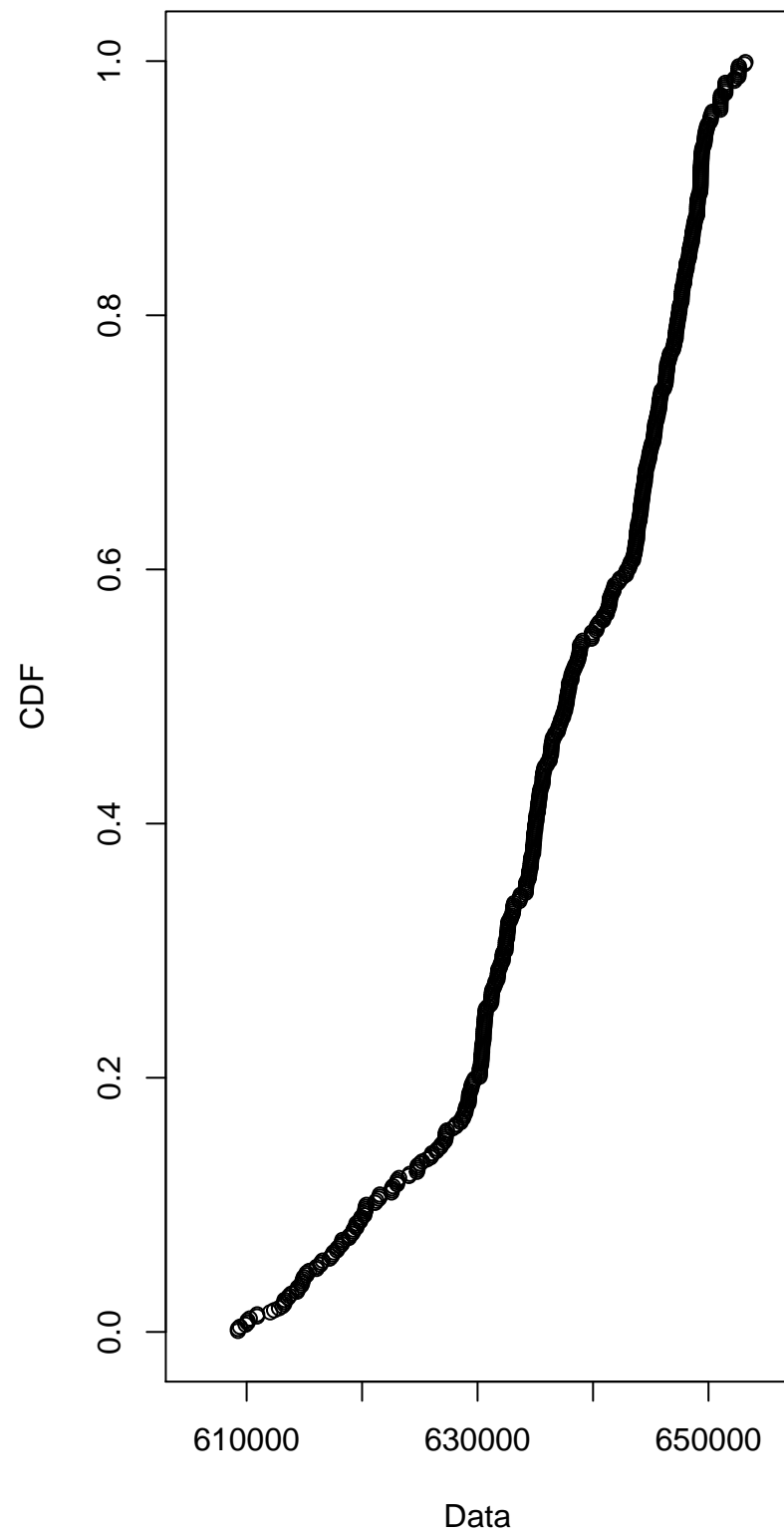
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
609250	630679	637771	637251	646304	653197

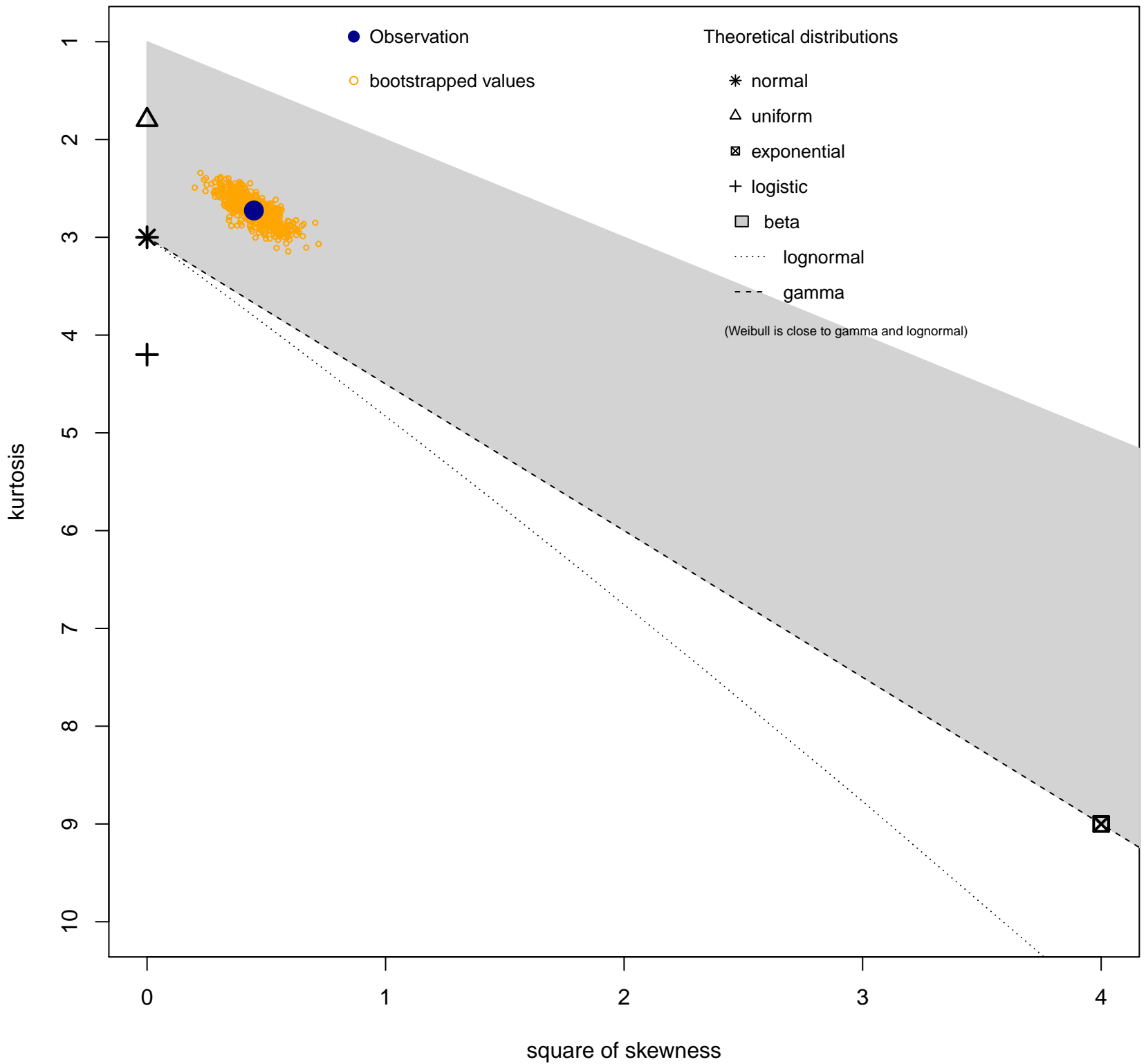
Empirical density



Cumulative distribution



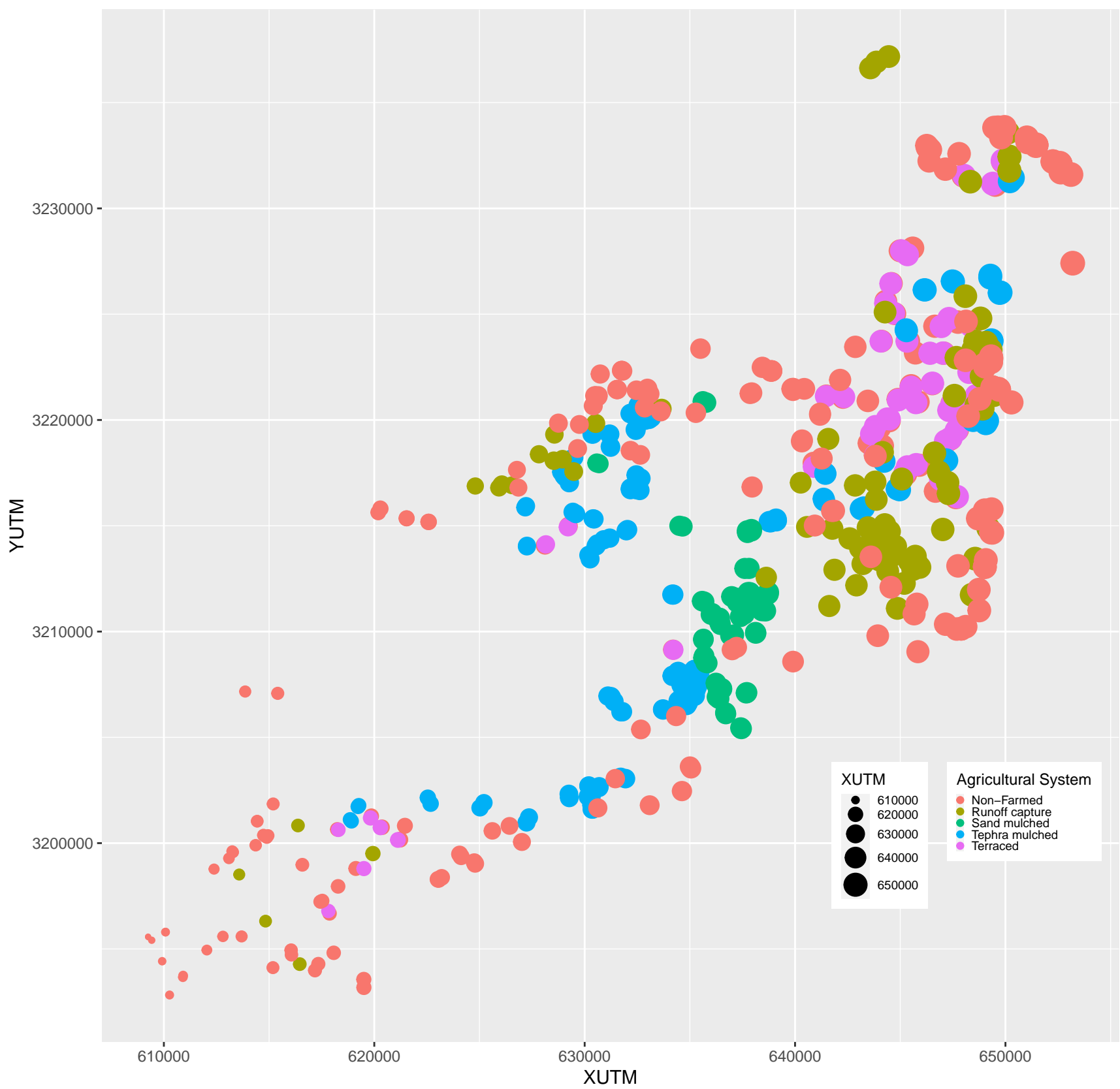
Cullen and Frey graph



Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.93886, p-value = 3.373e-15

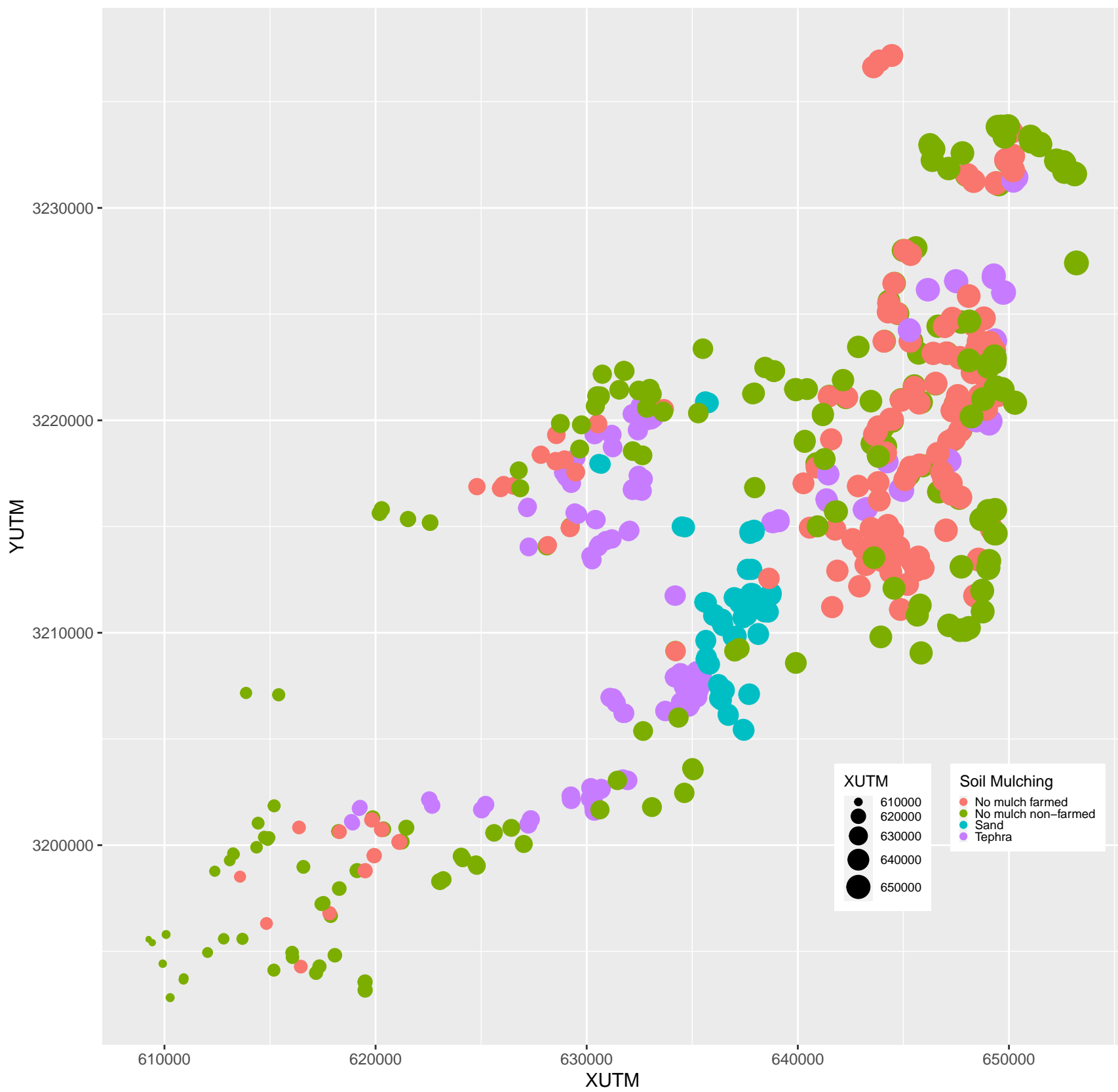
XUTM according to location and Agricultural System



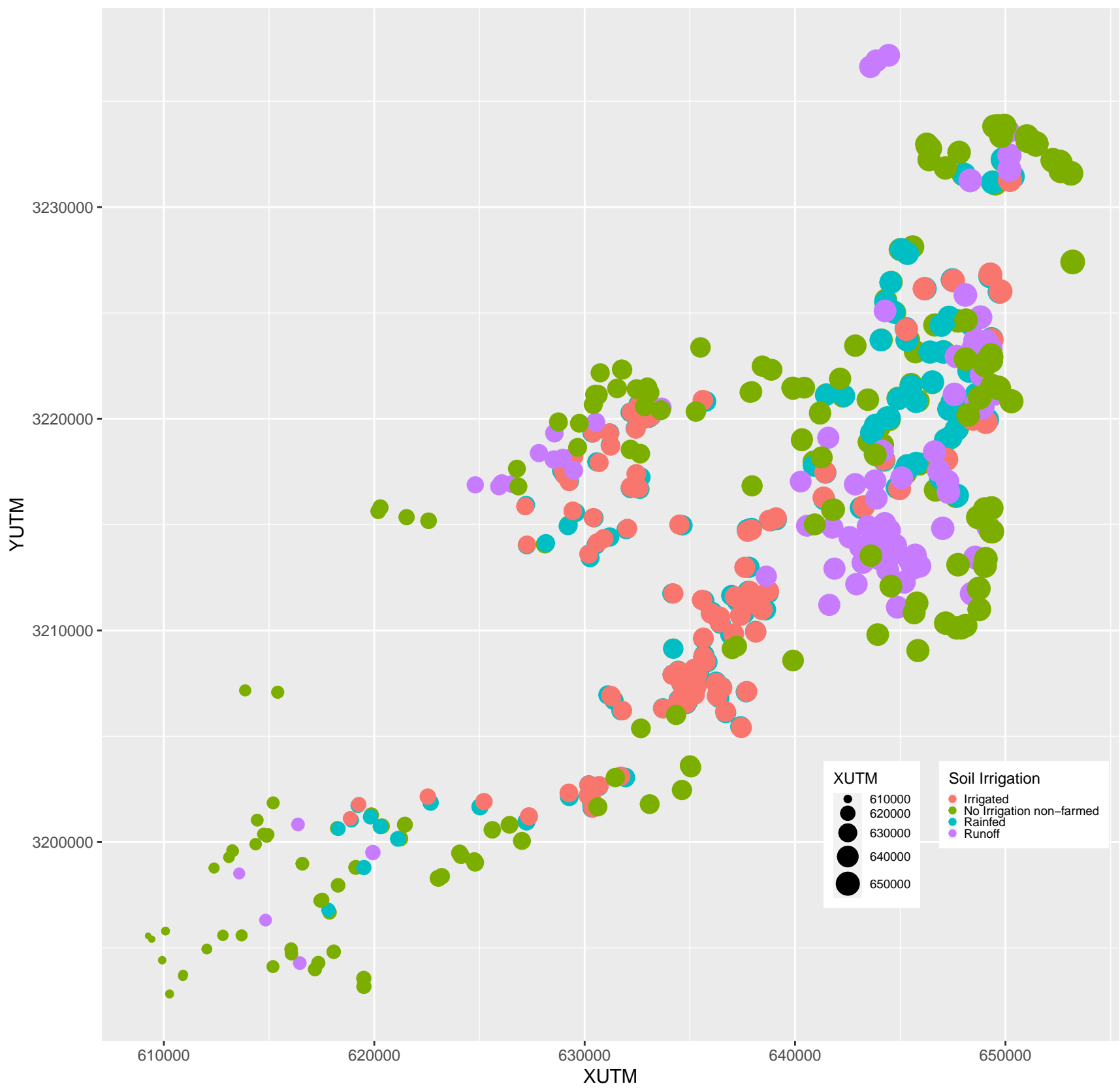
XUTM according to location and Soil Farming



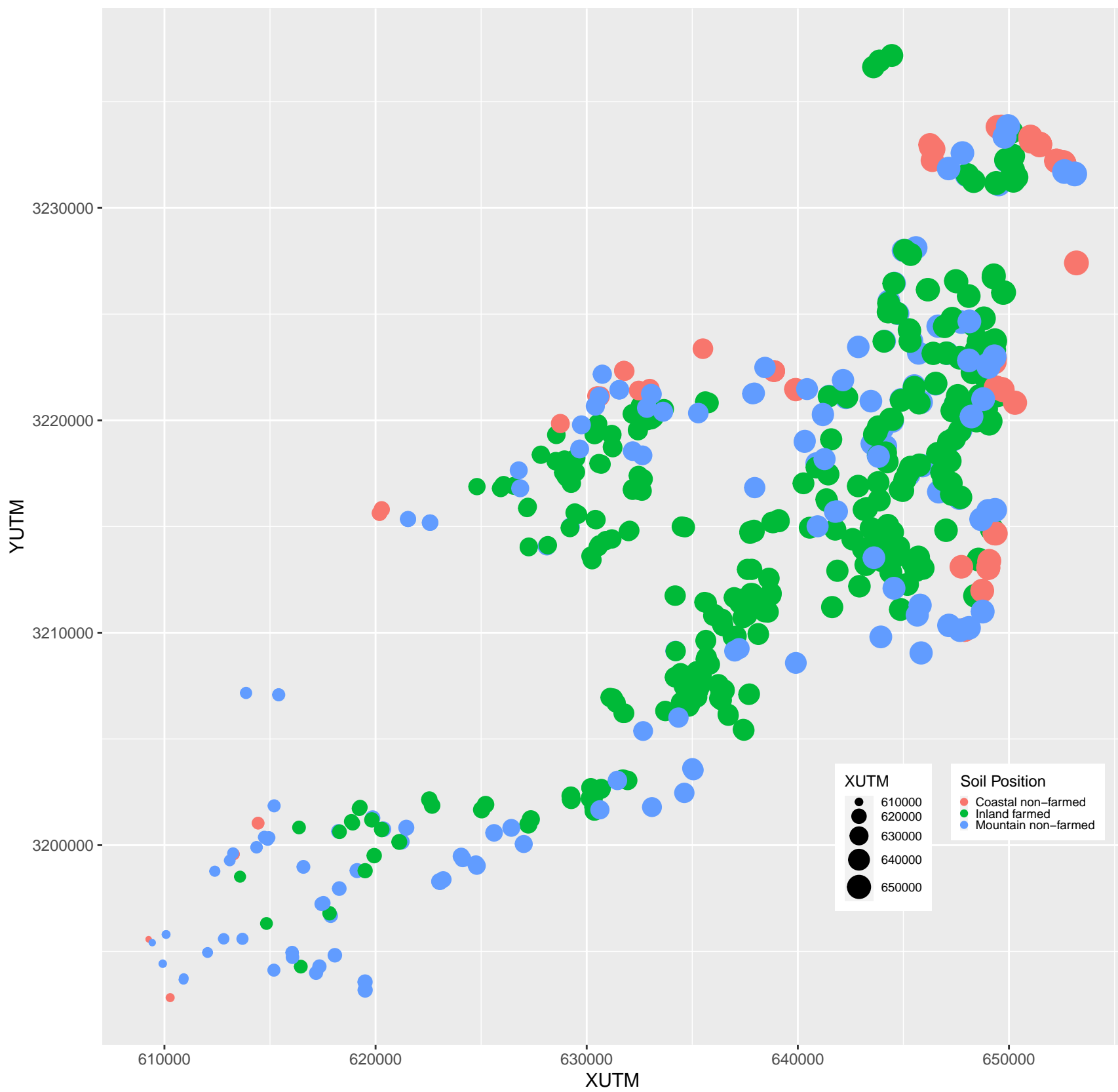
XUTM according to location and Soil Mulching



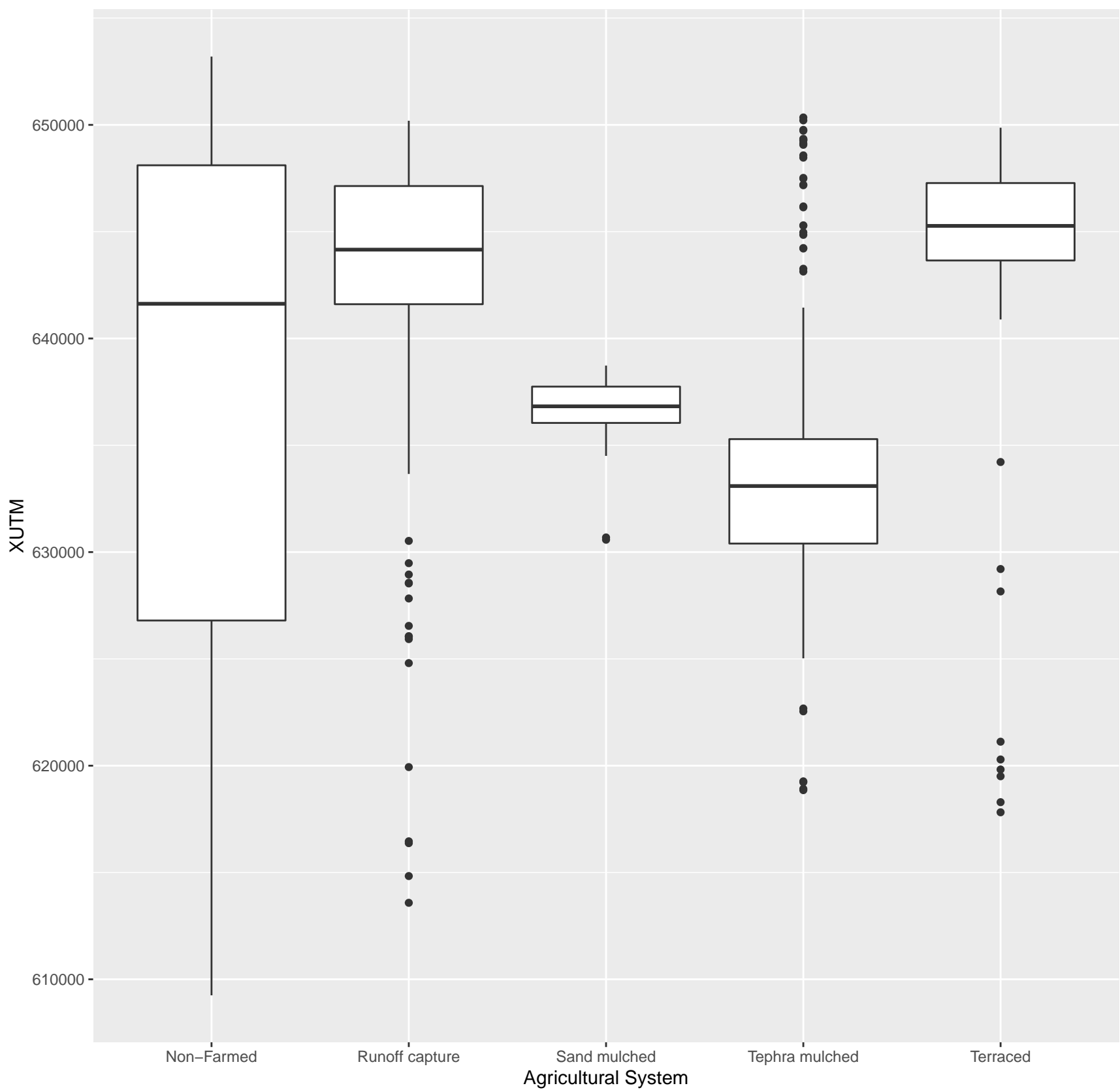
XUTM according to location and Soil Irrigation



XUTM according to location and Soil Position



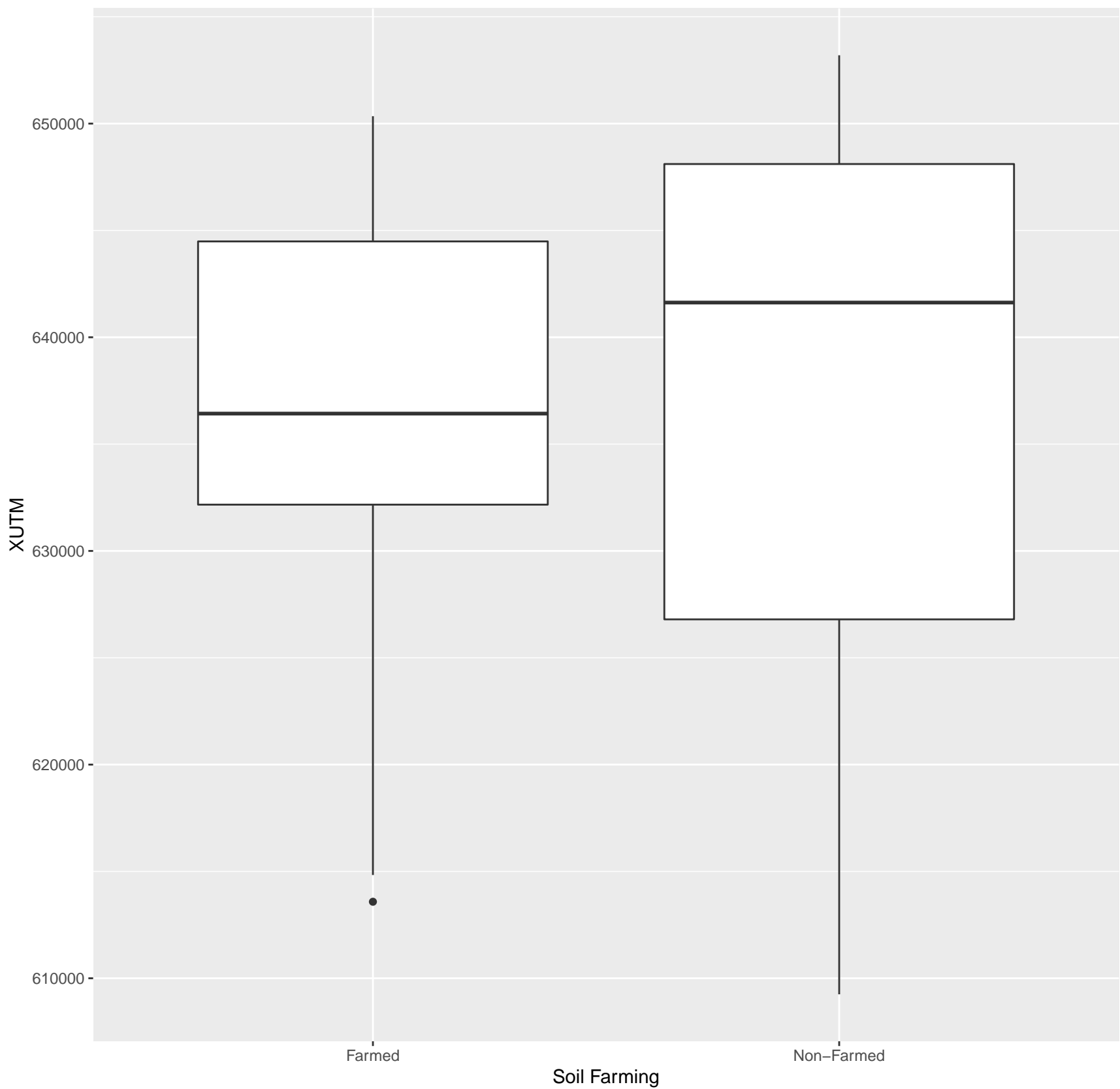
XUTM to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	XUTM	Non-Farmed	Runoff capture	262	83	9907.0	2.23e-01	5.43e-01	ns
2	XUTM	Non-Farmed	Sand mulched	262	60	9212.0	3.80e-02	1.51e-01	ns
3	XUTM	Non-Farmed	Tephra mulched	262	160	25048.5	7.71e-04	4.00e-03	**
4	XUTM	Non-Farmed	Terraced	262	50	5768.0	1.81e-01	5.43e-01	ns
5	XUTM	Runoff capture	Sand mulched	83	60	3960.0	1.84e-09	1.74e-08	****
6	XUTM	Runoff capture	Tephra mulched	83	160	9577.0	1.59e-08	1.11e-07	****
7	XUTM	Runoff capture	Terraced	83	50	1873.0	3.49e-01	5.43e-01	ns
8	XUTM	Sand mulched	Tephra mulched	60	160	7332.0	1.74e-09	1.74e-08	****
9	XUTM	Sand mulched	Terraced	60	50	538.0	7.84e-09	6.27e-08	****
10	XUTM	Tephra mulched	Terraced	160	50	2024.0	1.39e-07	8.34e-07	****

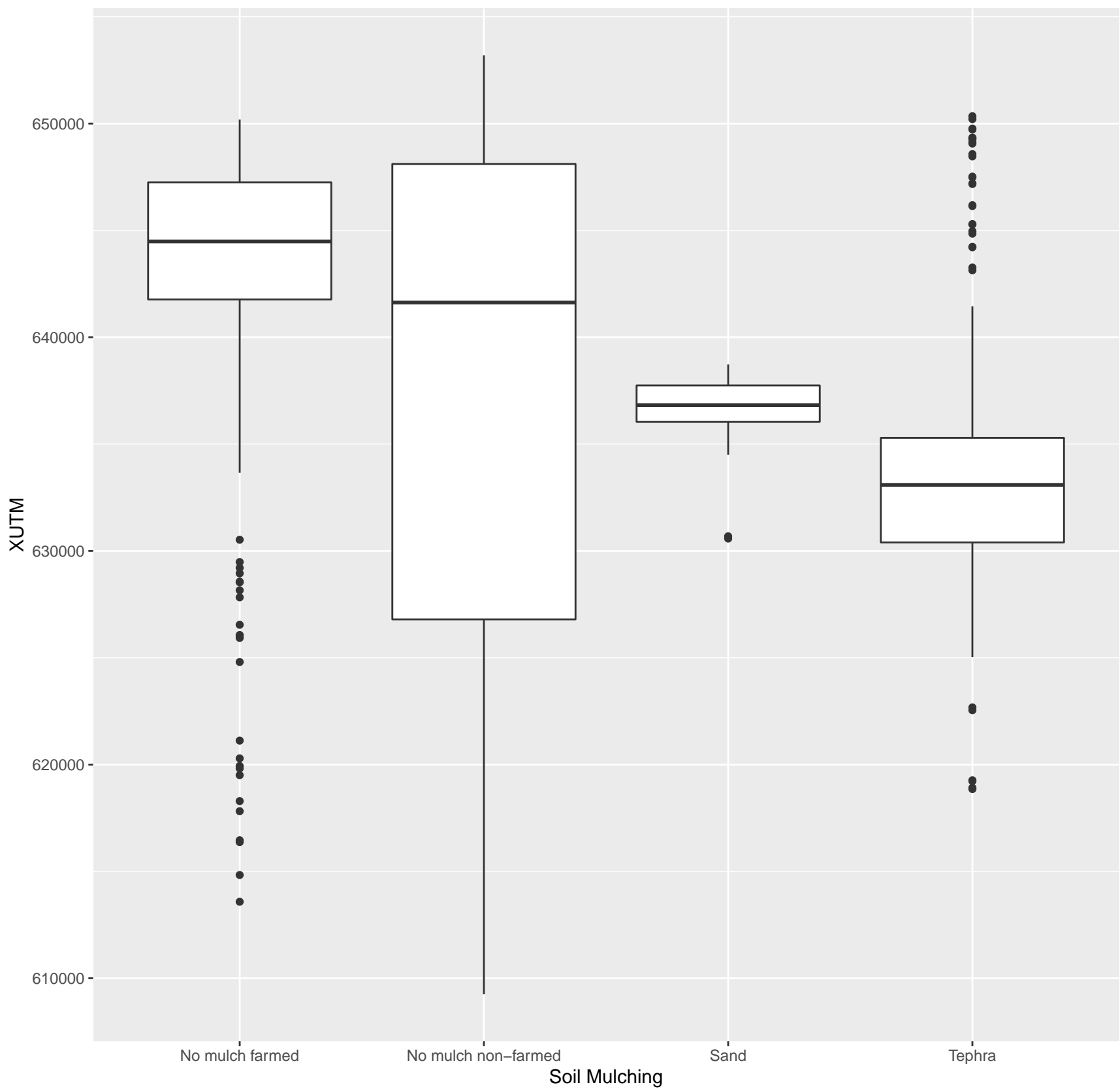
XUTM to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	XUTM	Farmed	Non–Farmed	353	262	42550.5	0.0902

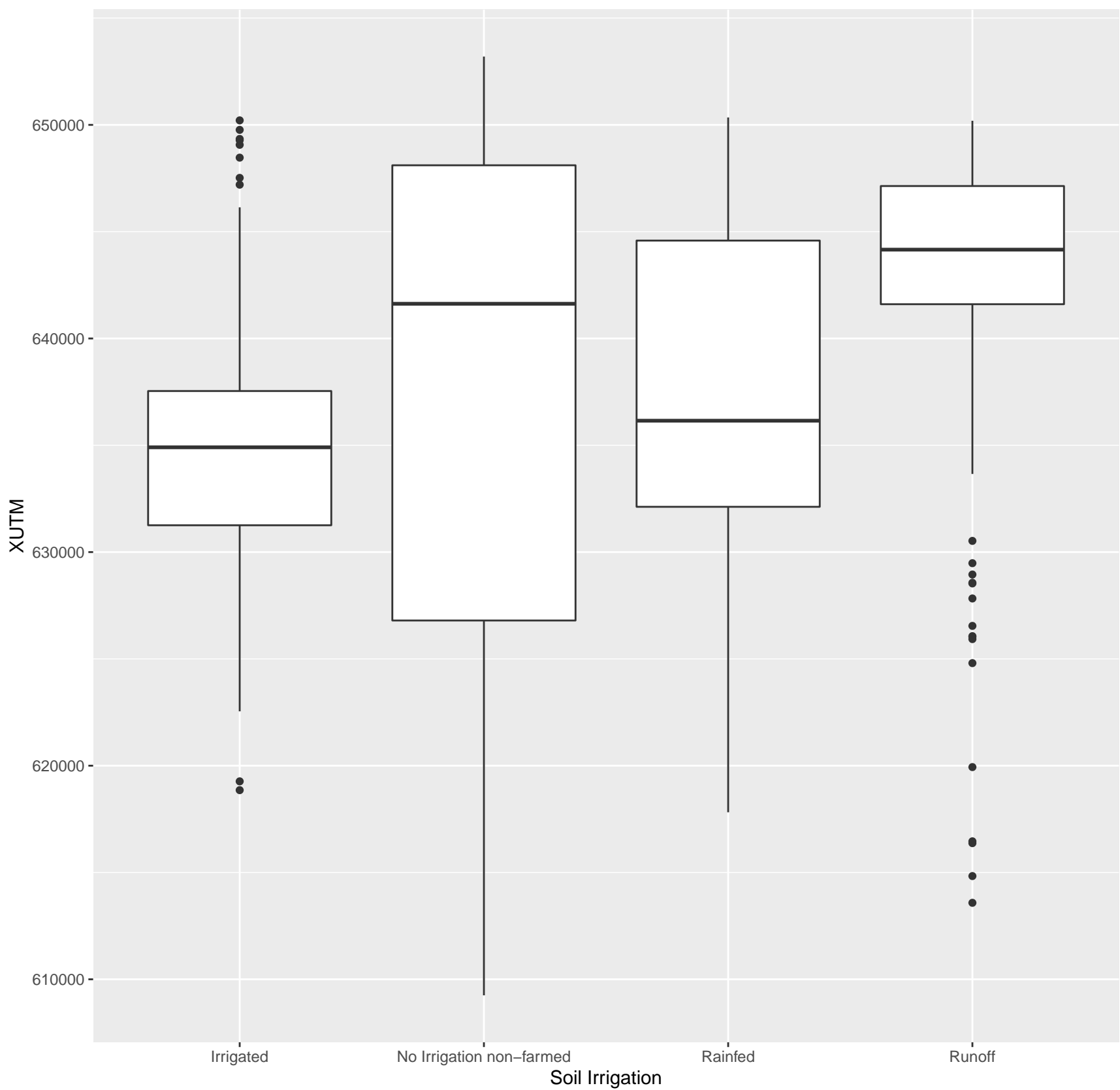
XUTM to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	XUTM	No mulch farmed	No mulch non-farmed	133	262	19171.0	1.03e-01	1.03e-01	ns
2	XUTM	No mulch farmed	Sand	133	60	6422.0	1.29e-11	6.45e-11	****
3	XUTM	No mulch farmed	Tephra	133	160	15553.0	1.02e-11	6.12e-11	****
4	XUTM	No mulch non-farmed	Sand	262	60	9212.0	3.80e-02	7.50e-02	ns
5	XUTM	No mulch non-farmed	Tephra	262	160	25048.5	7.71e-04	2.00e-03	**
6	XUTM	Sand	Tephra	60	160	7332.0	1.74e-09	6.96e-09	****

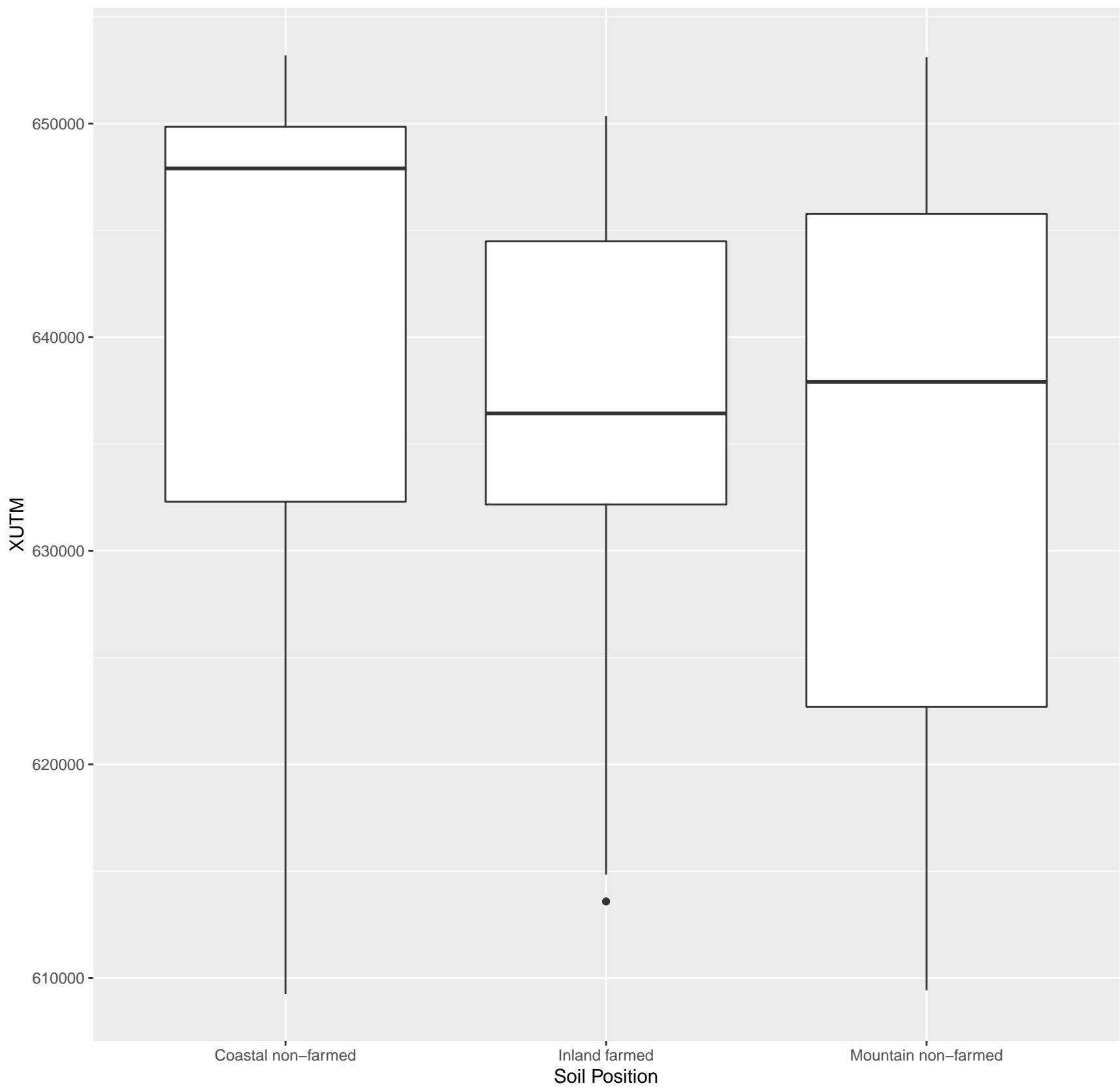
XUTM to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	XUTM	Irrigated	No Irrigation non-farmed	110	262	11689.5	4.00e-03	1.60e-02	*
2	XUTM	Irrigated	Rainfed	110	160	7335.0	2.00e-02	6.10e-02	ns
3	XUTM	Irrigated	Runoff	110	83	2361.0	9.73e-09	5.84e-08	****
4	XUTM	No Irrigation non-farmed	Rainfed	262	160	22898.0	1.11e-01	2.22e-01	ns
5	XUTM	No Irrigation non-farmed	Runoff	262	83	9907.0	2.23e-01	2.23e-01	ns
6	XUTM	Rainfed	Runoff	160	83	4639.0	1.18e-04	5.90e-04	***

XUTM to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	XUTM	Coastal non-farmed	Inland farmed	92	353	22541.0	9.66e-09	2.90e-08	****
2	XUTM	Coastal non-farmed	Mountain non-farmed	92	170	11136.5	1.48e-08	2.96e-08	****
3	XUTM	Inland farmed	Mountain non-farmed	353	170	32615.5	1.07e-01	1.07e-01	ns