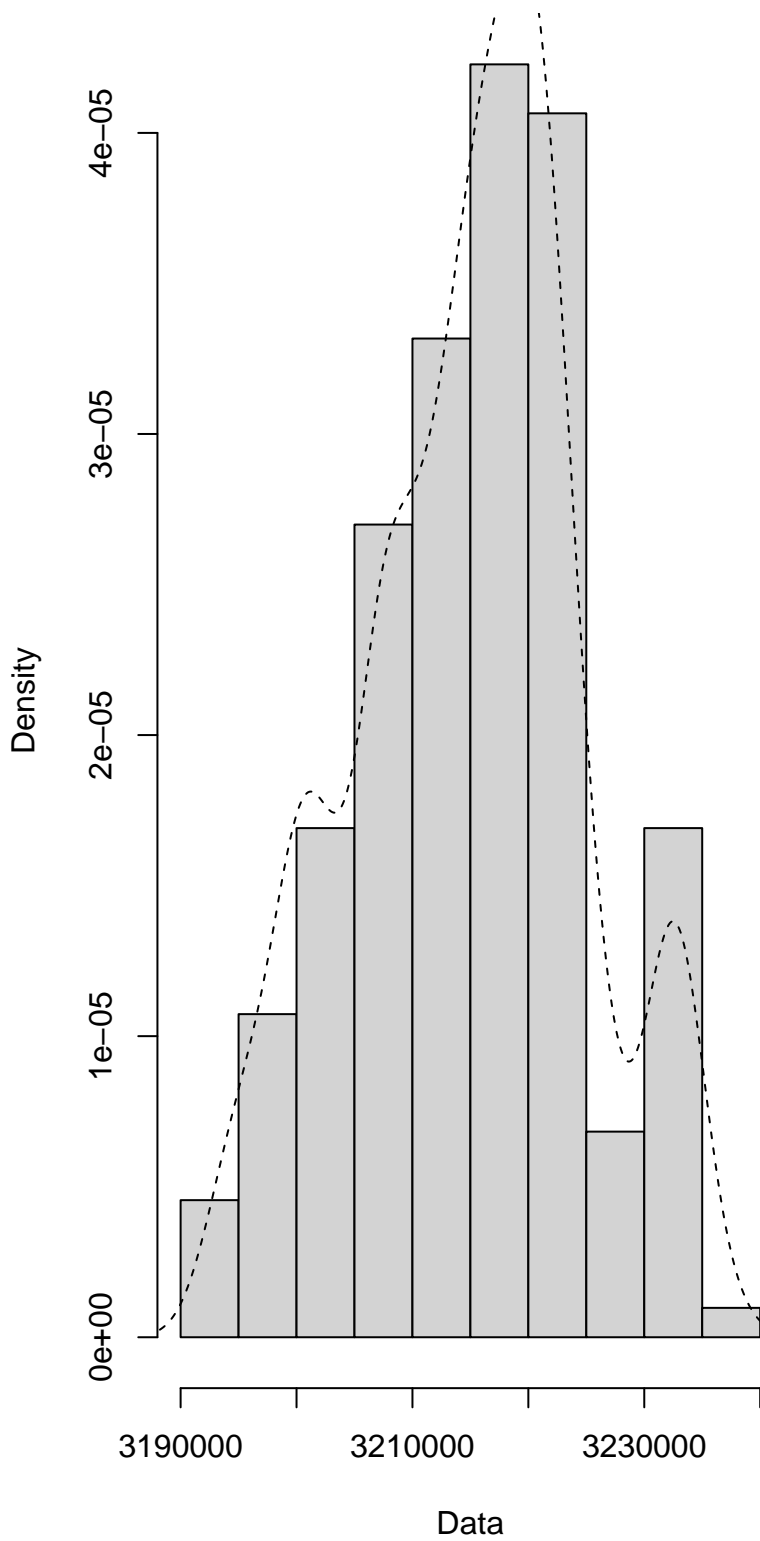


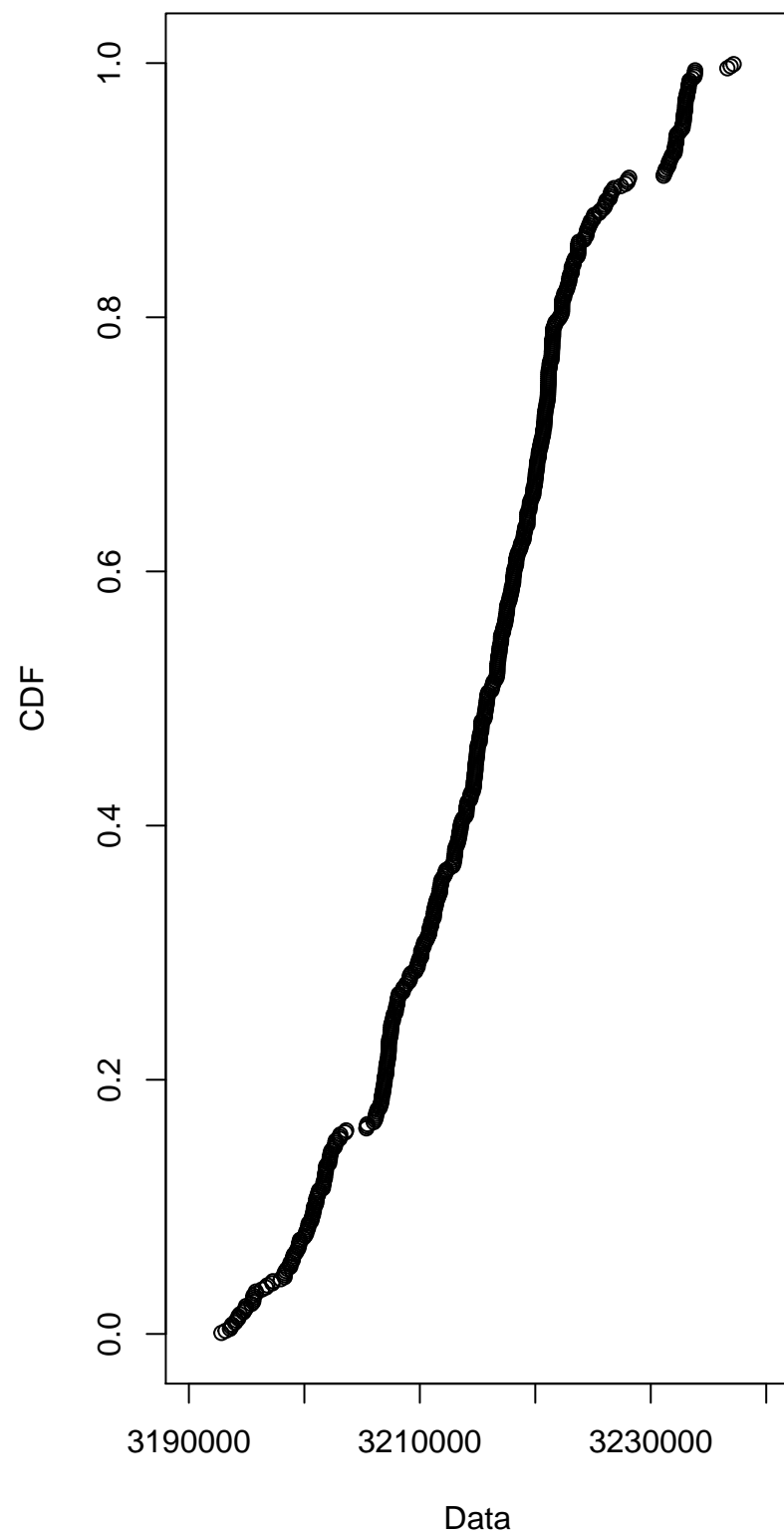
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3192823	3207726	3215831	3215020	3221146	3237176

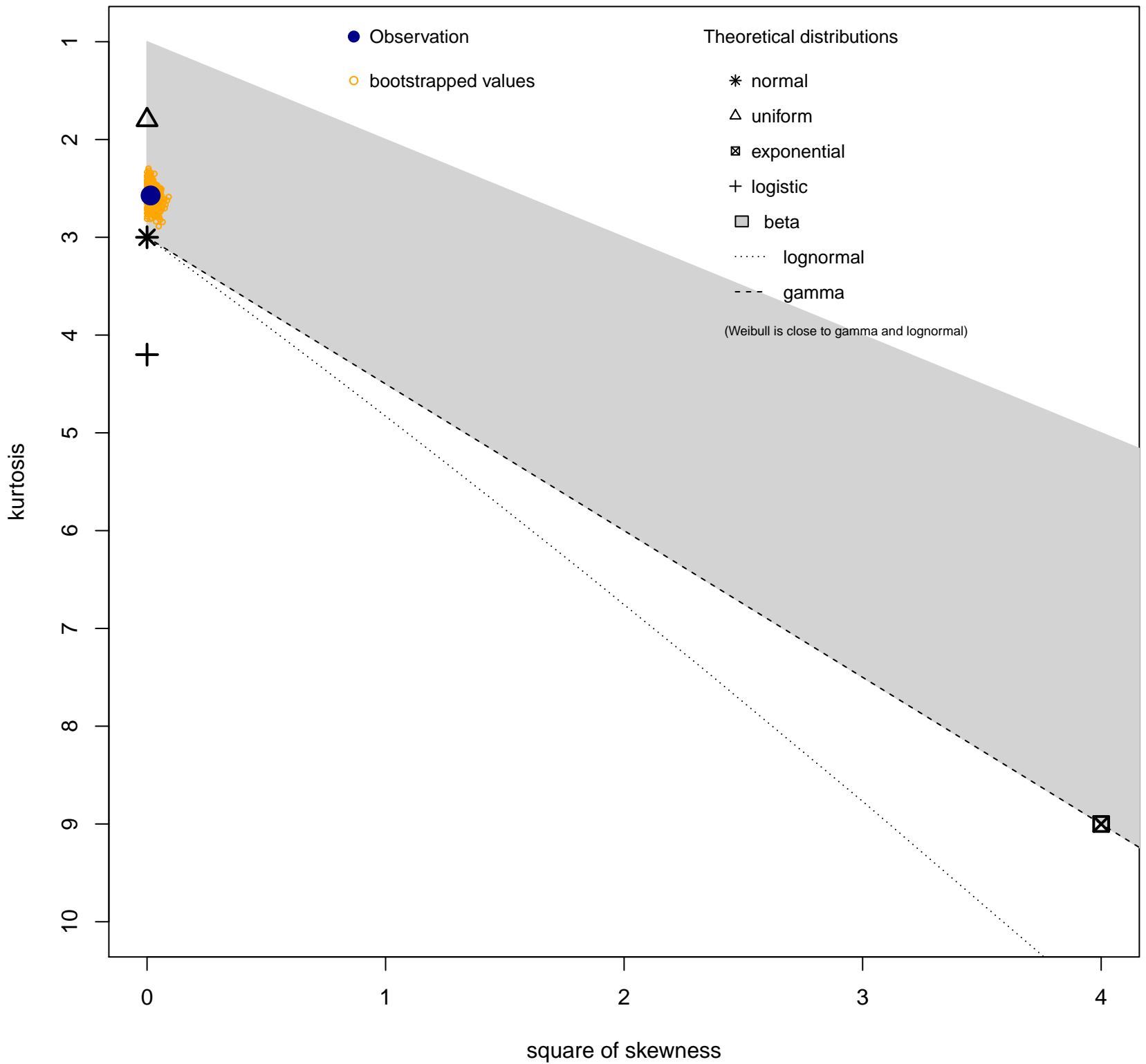
Empirical density



Cumulative distribution



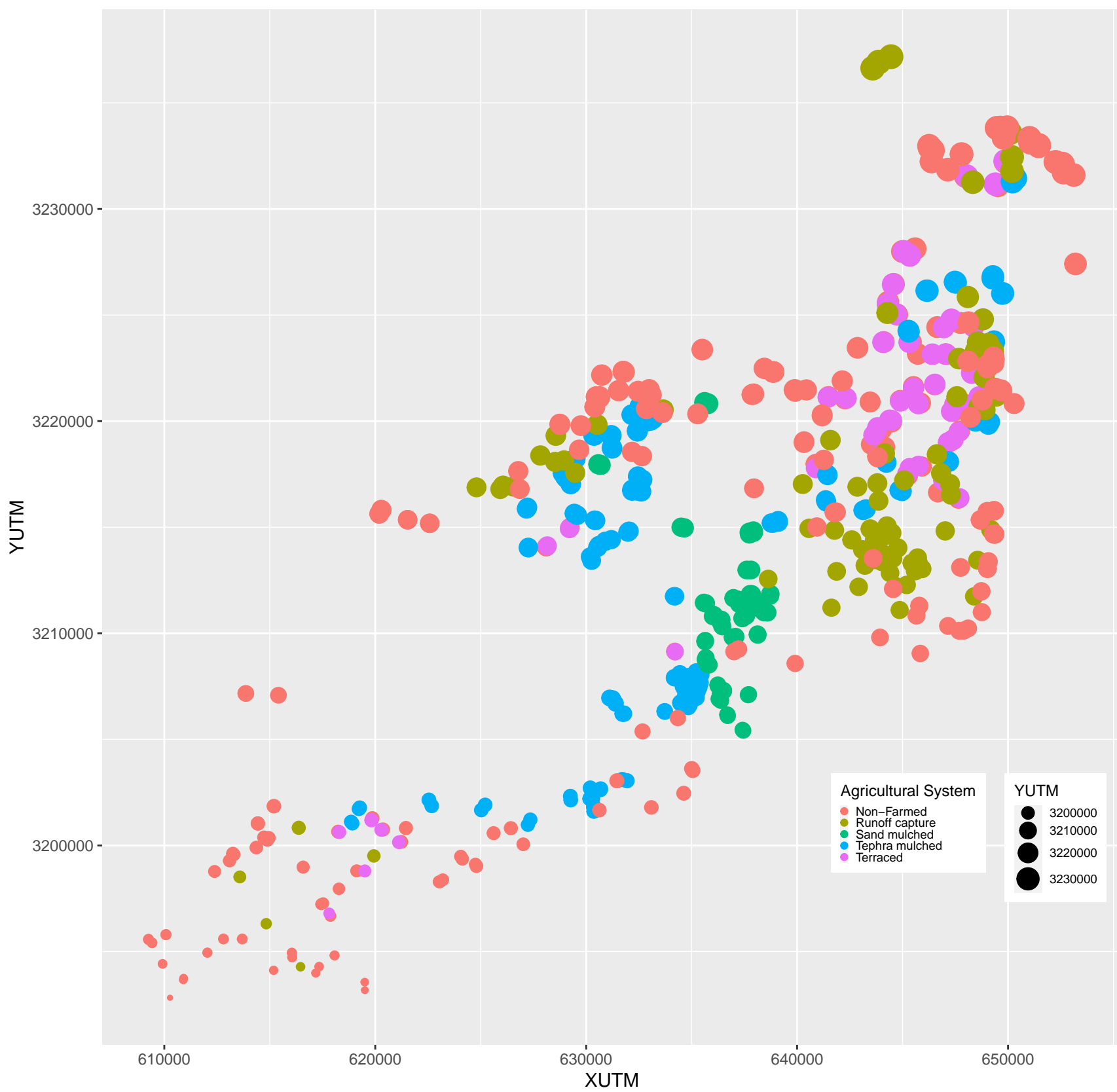
Cullen and Frey graph



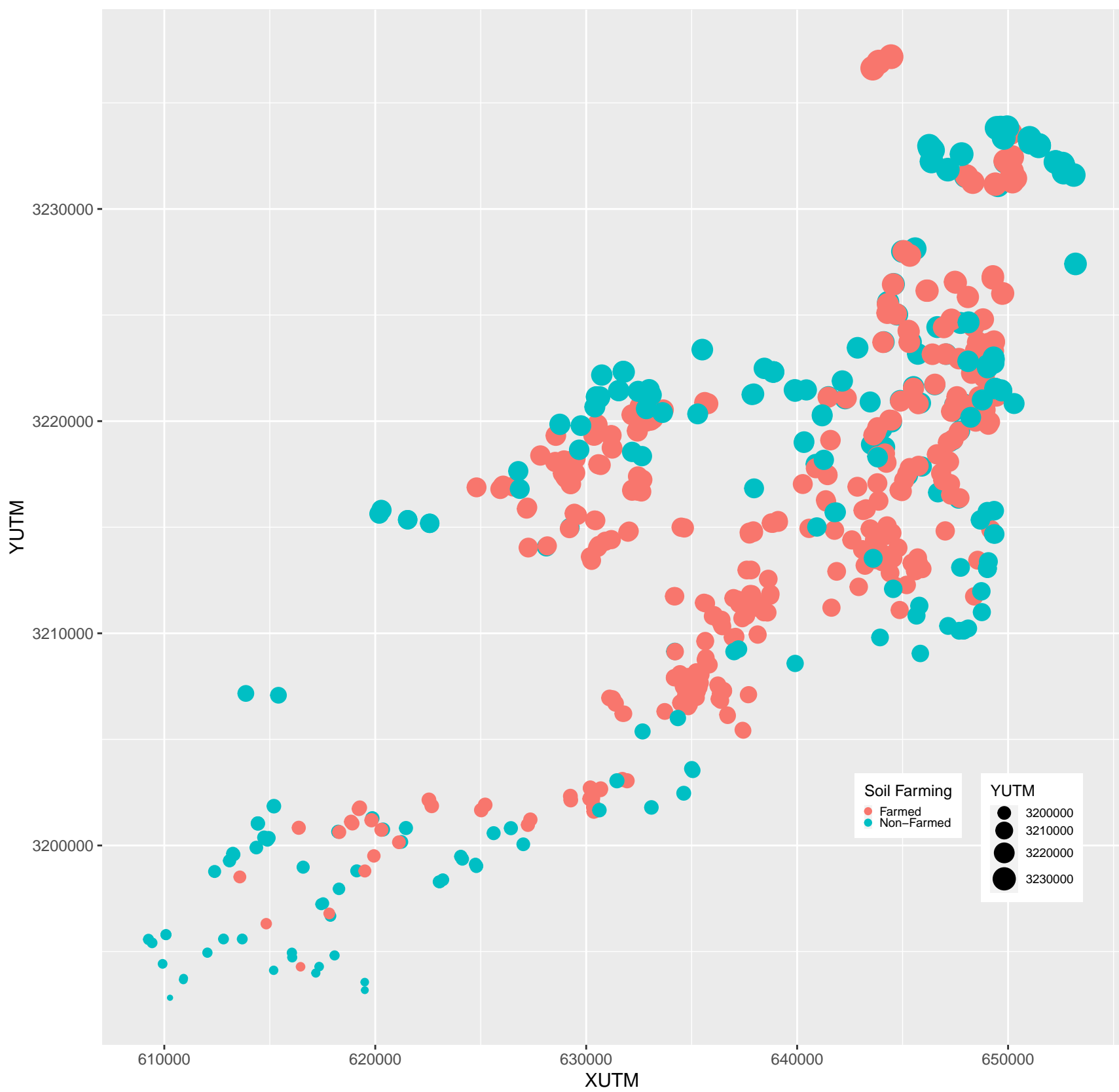
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.98019, p-value = 2.157e-07

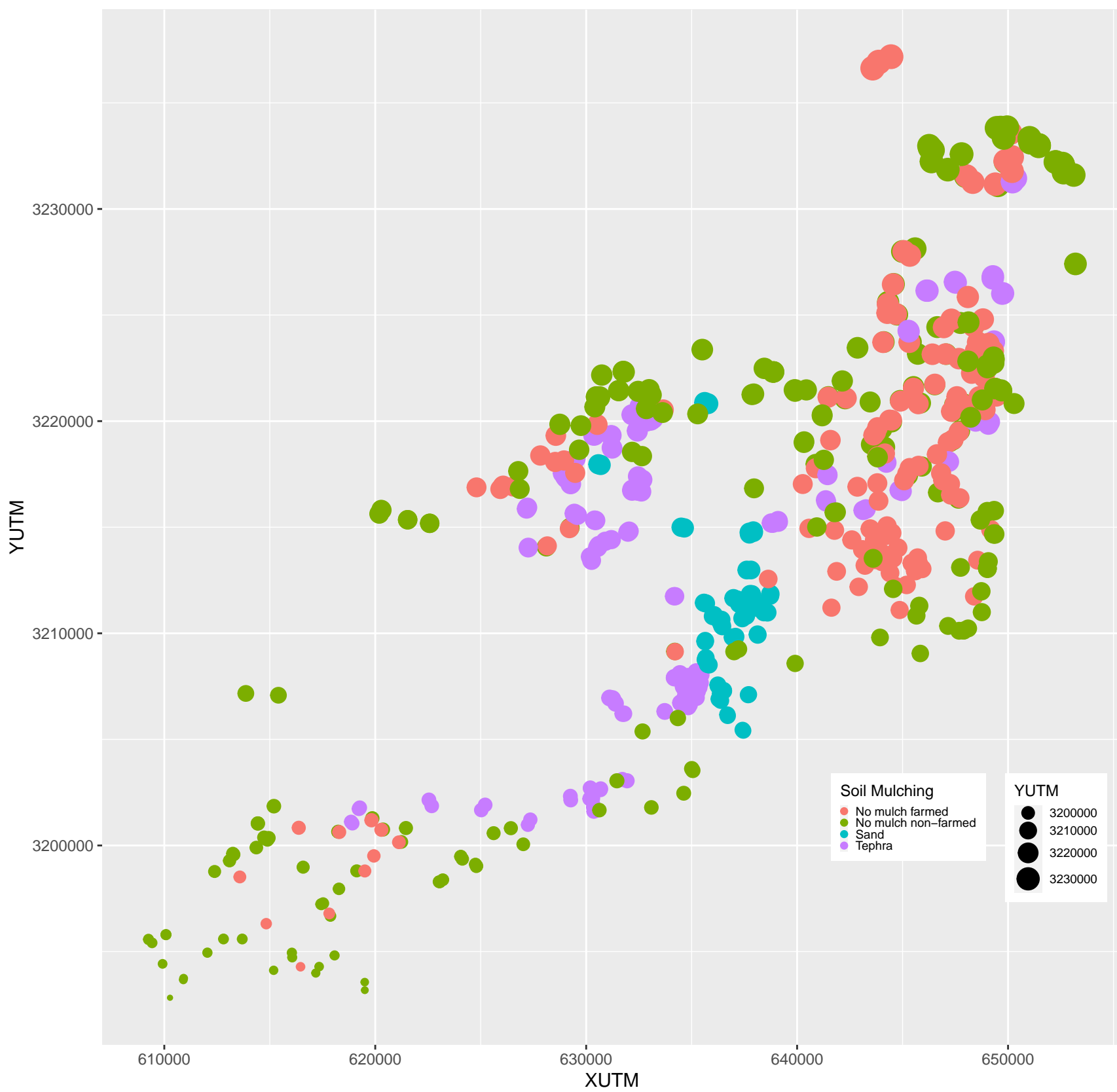
YUTM according to location and Agricultural System



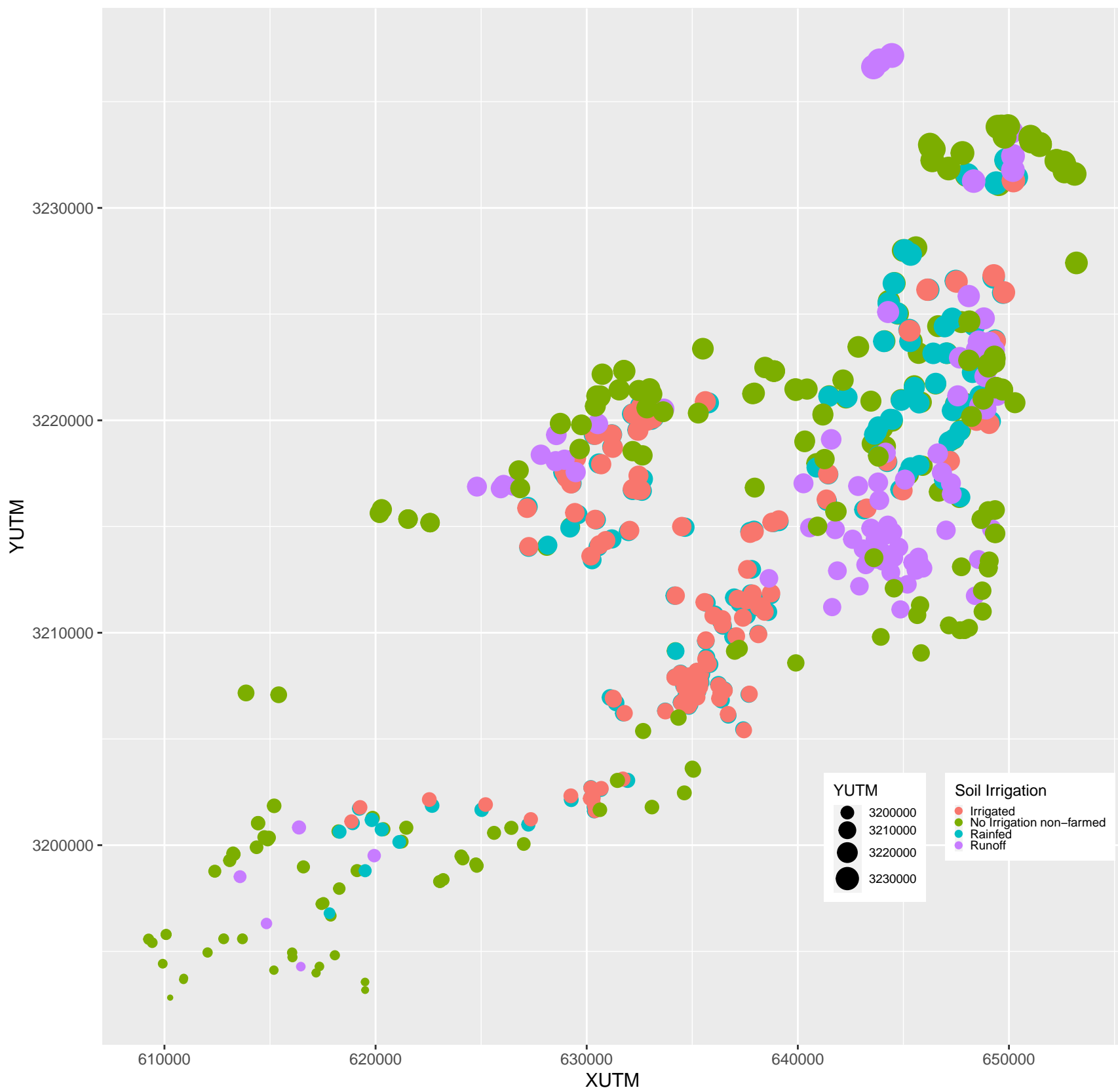
YUTM according to location and Soil Farming



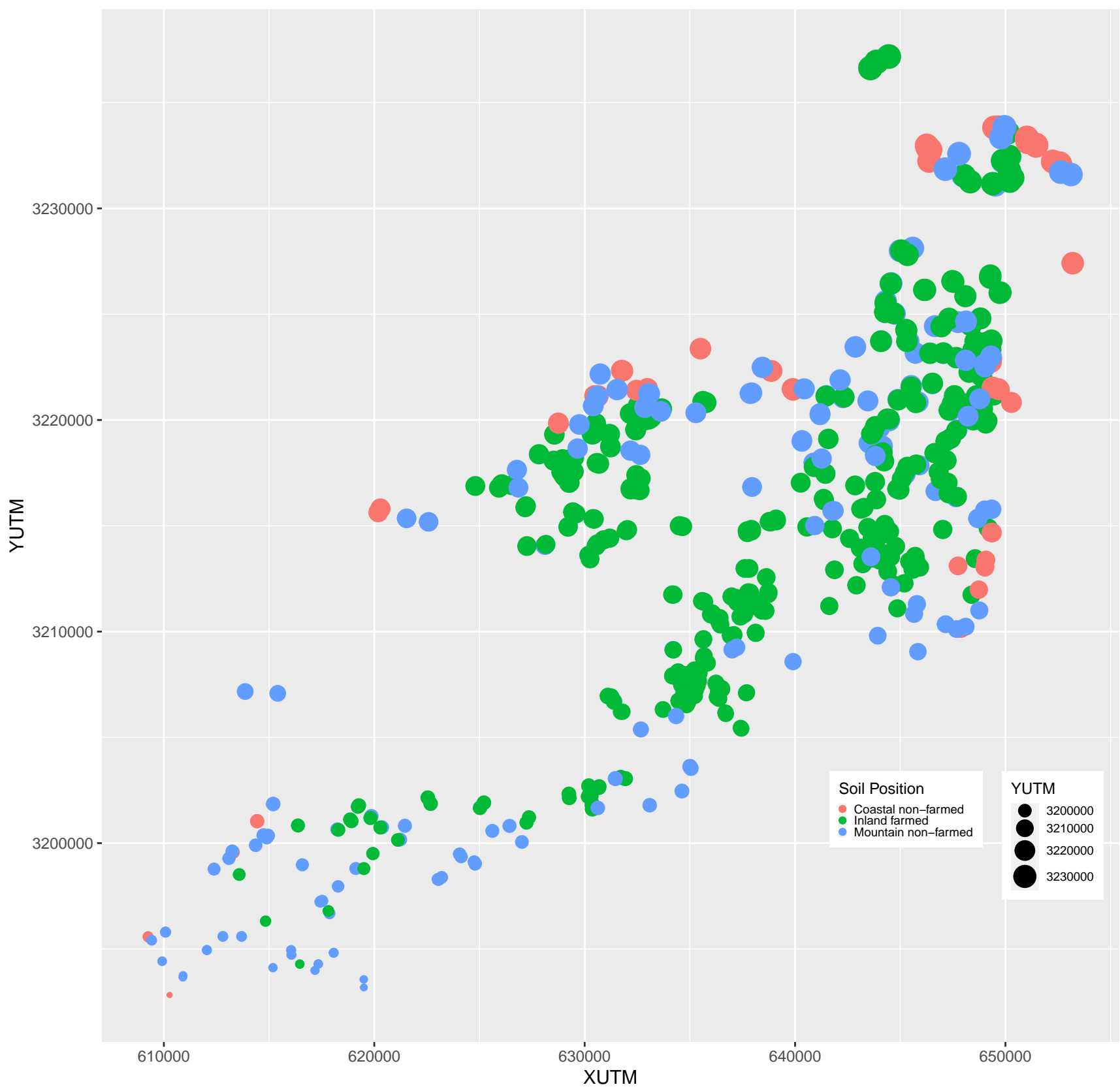
YUTM according to location and Soil Mulching



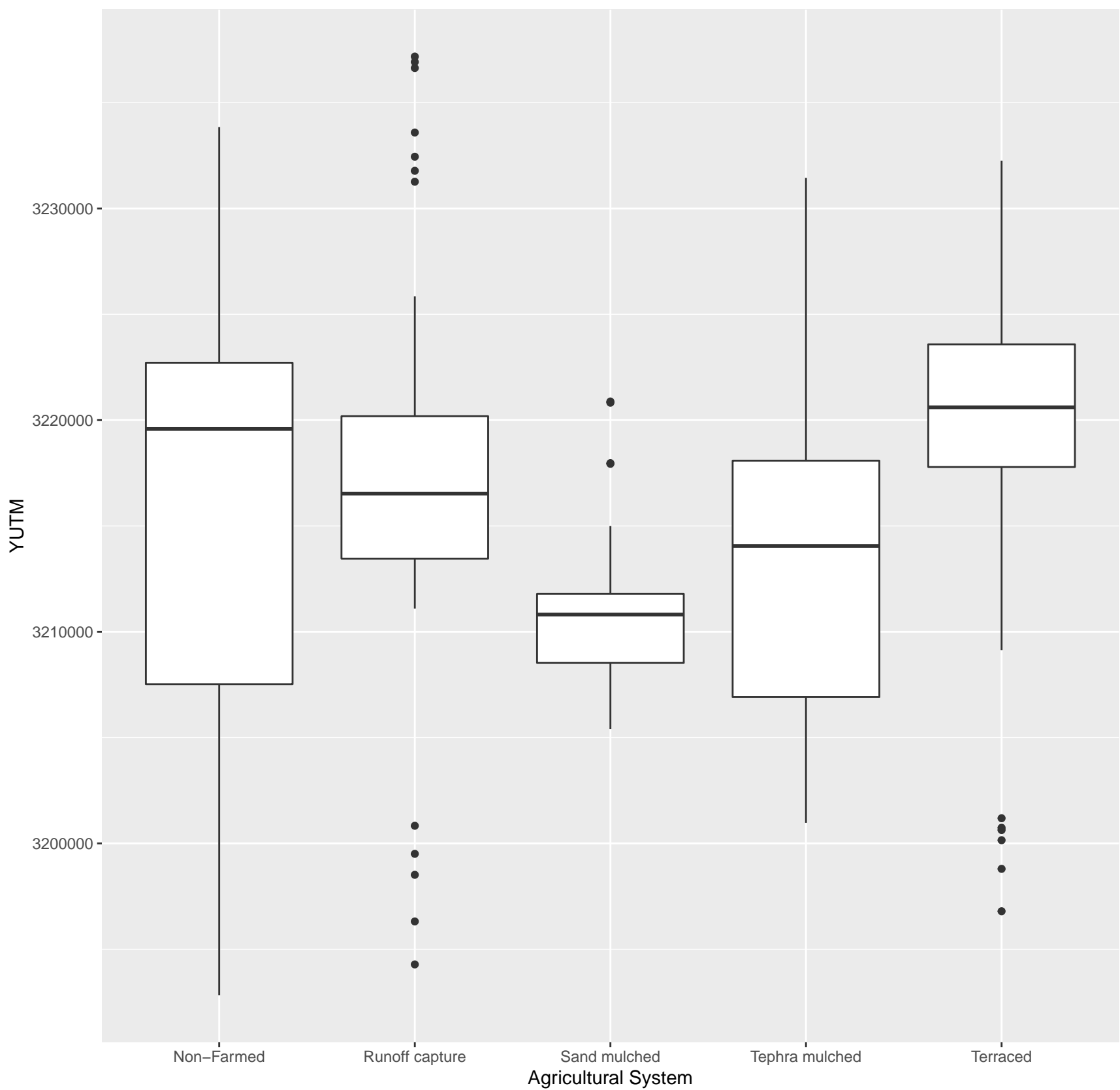
YUTM according to location and Soil Irrigation



YUTM according to location and Soil Position



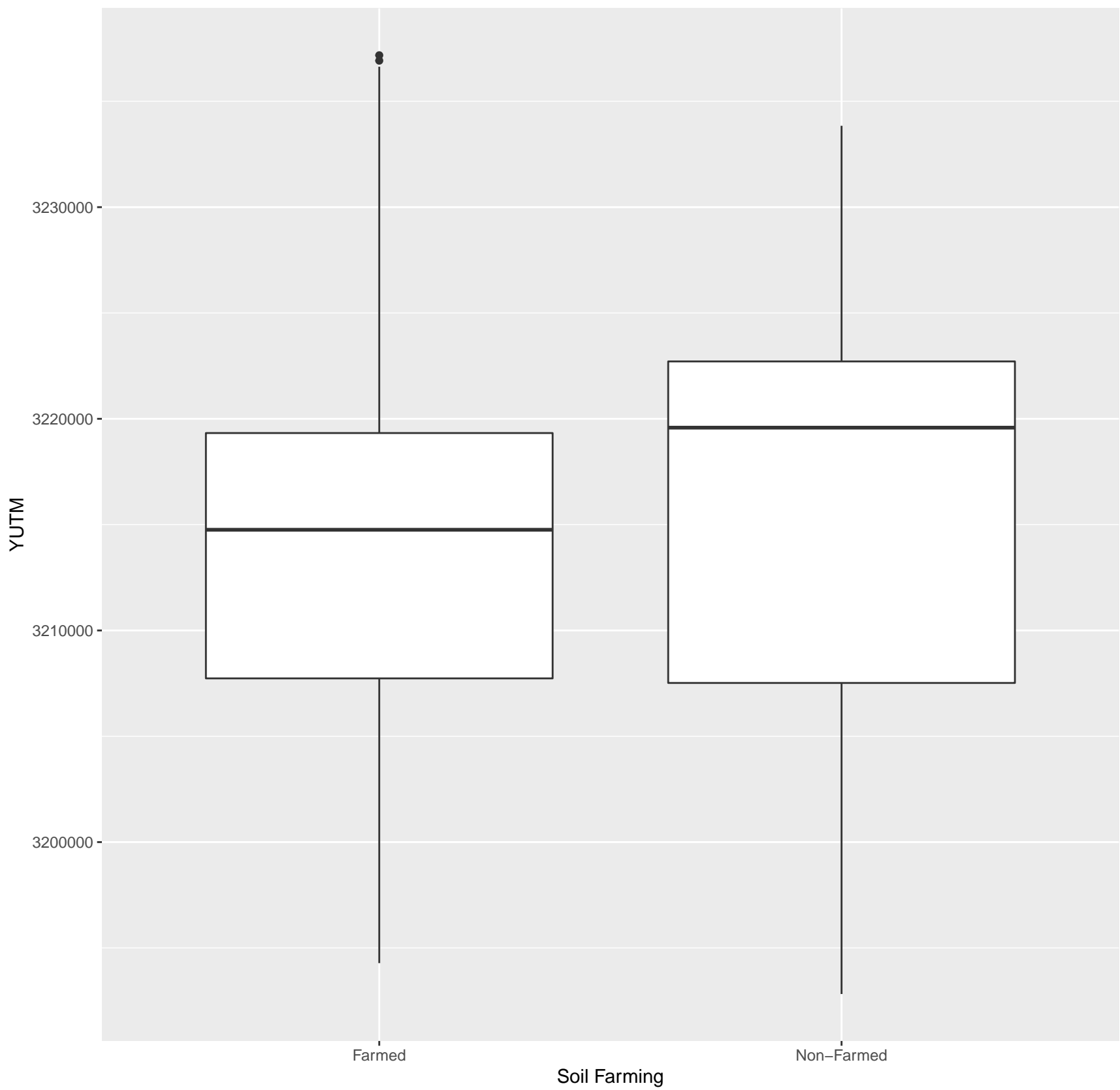
YUTM to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	YUTM	Non-Farmed	Runoff capture	262	83	11663.0	3.19e-01	6.12e-01	ns
2	YUTM	Non-Farmed	Sand mulched	262	60	10953.5	1.99e-06	1.39e-05	****
3	YUTM	Non-Farmed	Tephra mulched	262	160	26159.0	1.90e-05	1.14e-04	***
4	YUTM	Non-Farmed	Terraced	262	50	5807.0	2.04e-01	6.12e-01	ns
5	YUTM	Runoff capture	Sand mulched	83	60	4232.0	1.05e-12	1.05e-11	****
6	YUTM	Runoff capture	Tephra mulched	83	160	8462.0	4.56e-04	2.00e-03	**
7	YUTM	Runoff capture	Terraced	83	50	1378.0	1.00e-03	5.00e-03	**
8	YUTM	Sand mulched	Tephra mulched	60	160	4298.0	2.33e-01	6.12e-01	ns
9	YUTM	Sand mulched	Terraced	60	50	468.0	5.94e-10	5.35e-09	****
10	YUTM	Tephra mulched	Terraced	160	50	2018.0	1.27e-07	1.02e-06	****

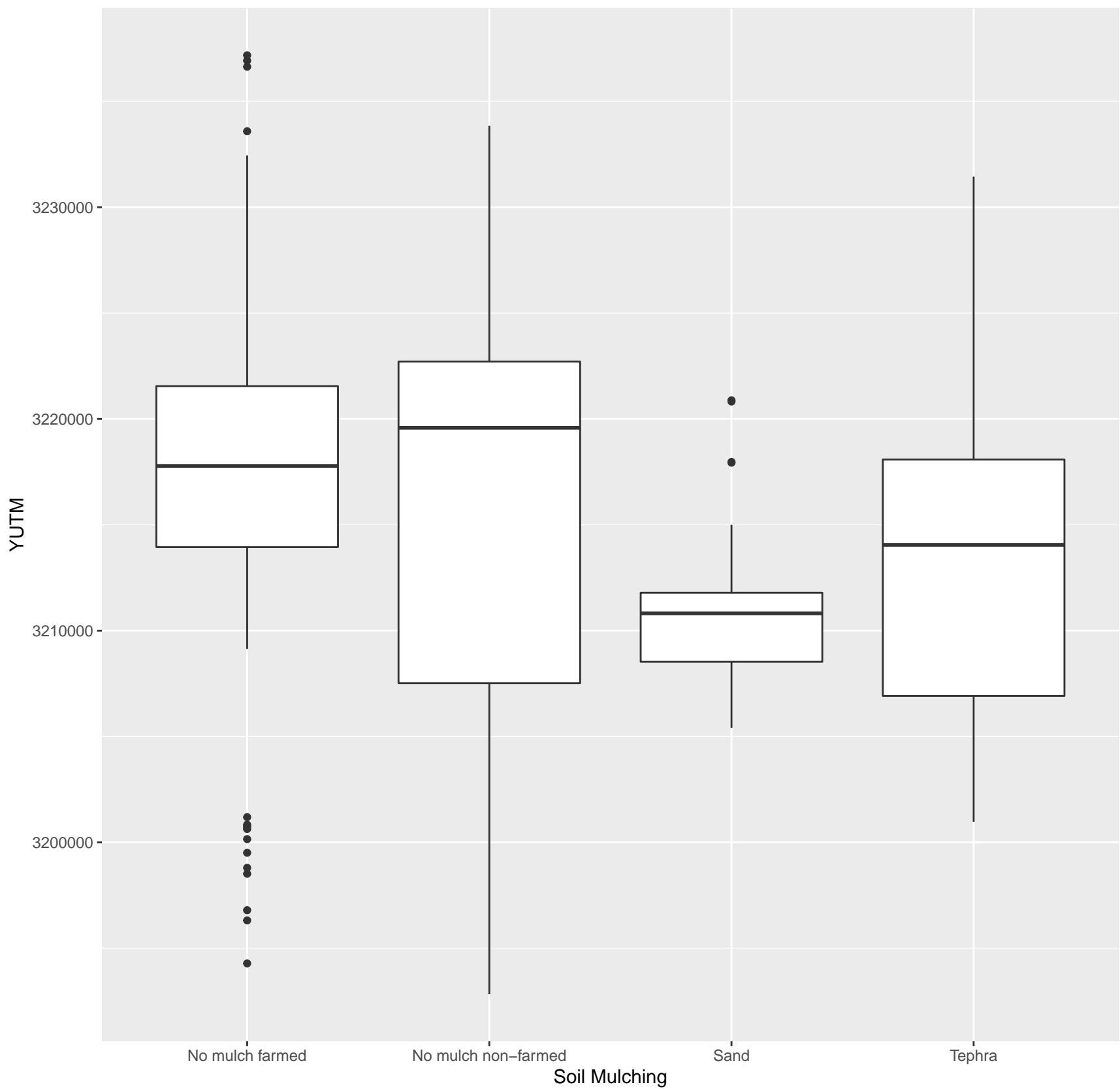
YUTM to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	YUTM	Farmed	Non-Farmed	353	262	37903.5	0.00013

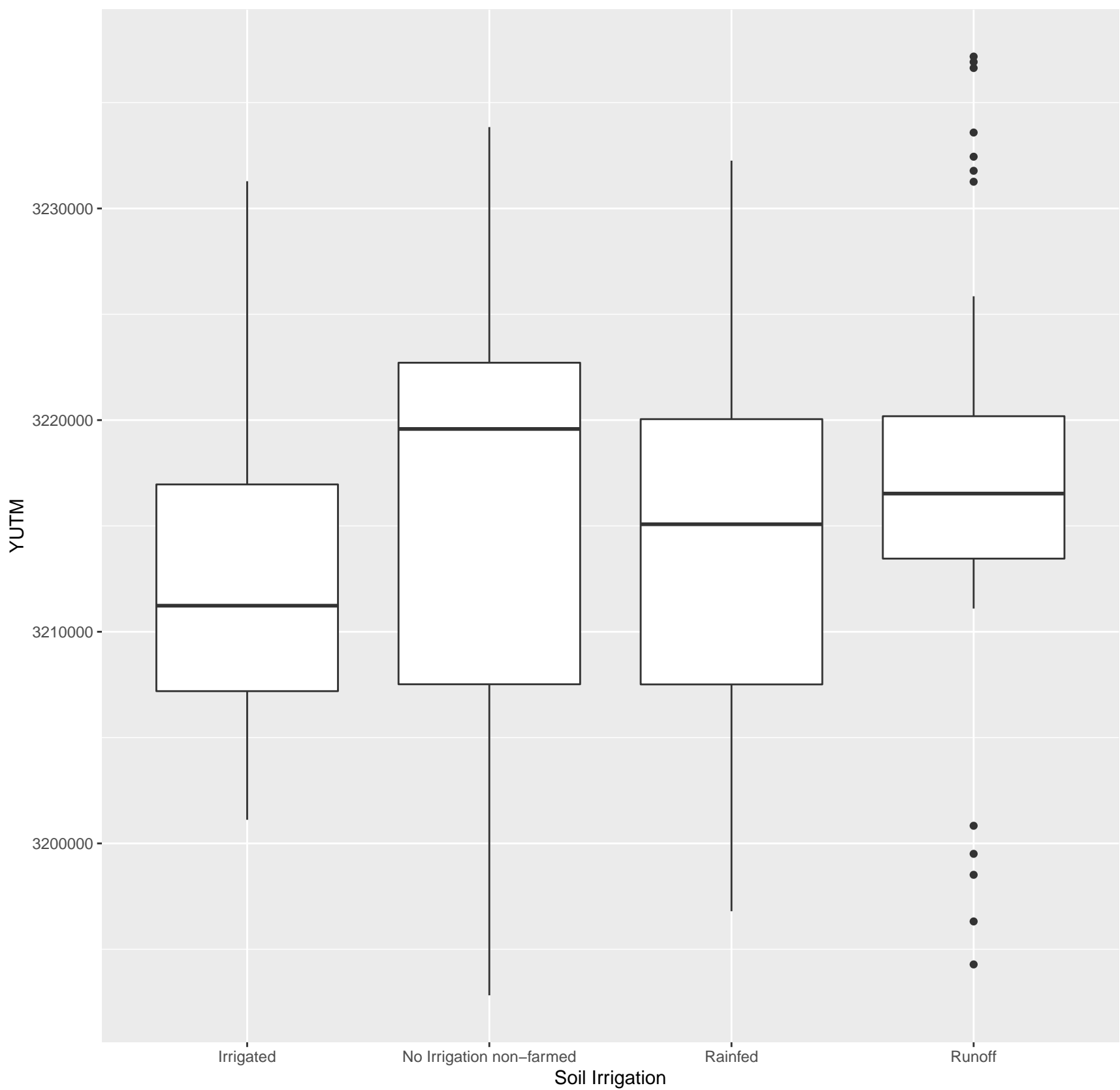
YUTM to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	YUTM	No mulch farmed	No mulch non-farmed	133	262	17376.0	9.65e-01	9.65e-01	ns
2	YUTM	No mulch farmed	Sand	133	60	6764.0	1.15e-14	6.90e-14	****
3	YUTM	No mulch farmed	Tephra	133	160	14444.0	1.38e-07	6.90e-07	****
4	YUTM	No mulch non-farmed	Sand	262	60	10953.5	1.99e-06	7.96e-06	****
5	YUTM	No mulch non-farmed	Tephra	262	160	26159.0	1.90e-05	5.70e-05	****
6	YUTM	Sand	Tephra	60	160	4298.0	2.33e-01	4.66e-01	ns

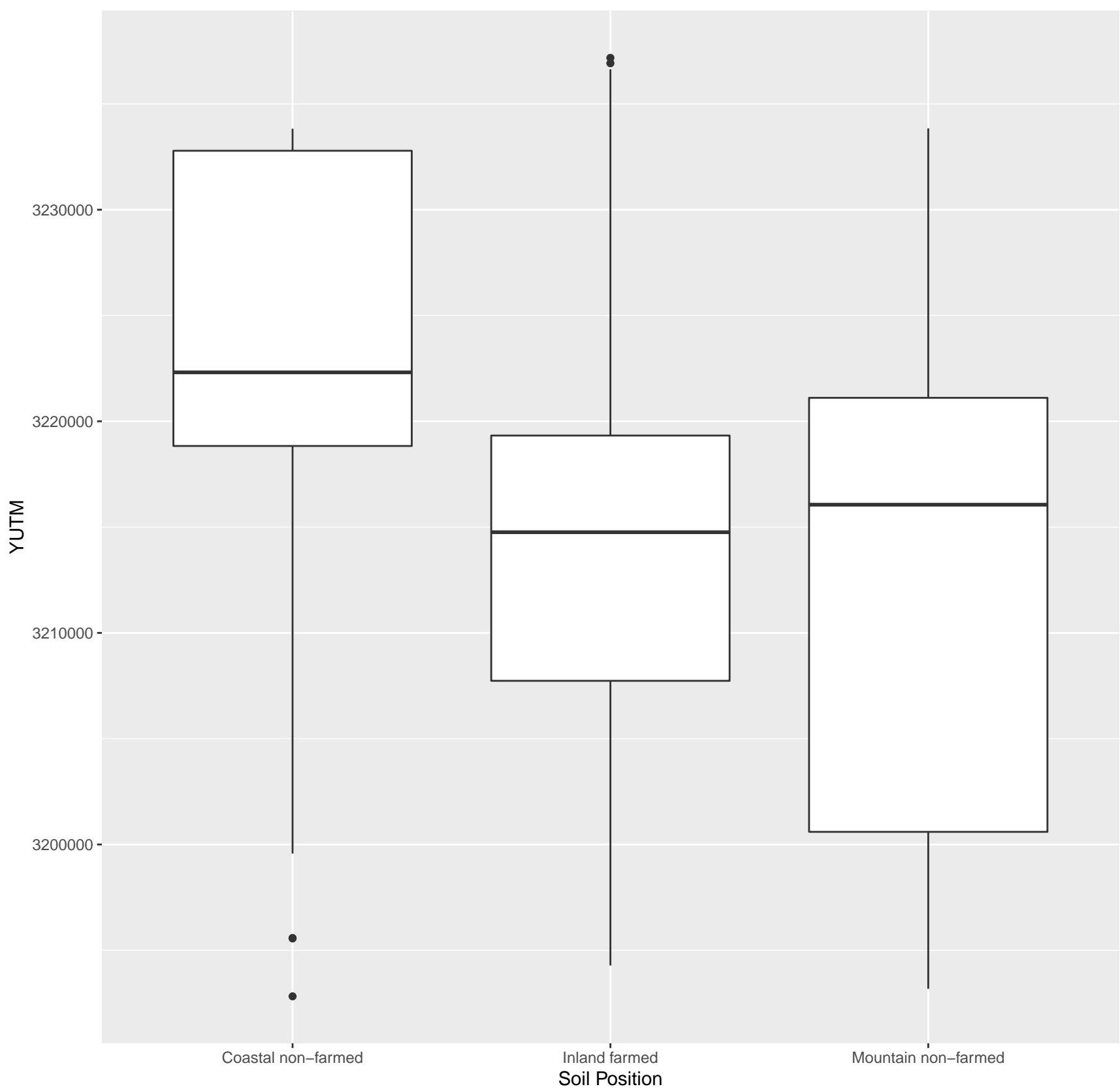
YUTM to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	YUTM	Irrigated	No Irrigation non-farmed	110	262	10266.5	1.20e-05	0.000060	****
2	YUTM	Irrigated	Rainfed	110	160	7301.5	1.80e-02	0.053000	ns
3	YUTM	Irrigated	Runoff	110	83	2786.0	3.67e-06	0.000022	****
4	YUTM	No Irrigation non-farmed	Rainfed	262	160	24366.0	5.00e-03	0.020000	*
5	YUTM	No Irrigation non-farmed	Runoff	262	83	11663.0	3.19e-01	0.319000	ns
6	YUTM	Rainfed	Runoff	160	83	5552.0	3.60e-02	0.073000	ns

YUTM to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	YUTM	Coastal non-farmed	Inland farmed	92	353	25095.0	7.55e-16	2.27e-15	****
2	YUTM	Coastal non-farmed	Mountain non-farmed	92	170	11791.0	1.19e-11	2.38e-11	****
3	YUTM	Inland farmed	Mountain non-farmed	353	170	30522.5	7.49e-01	7.49e-01	ns