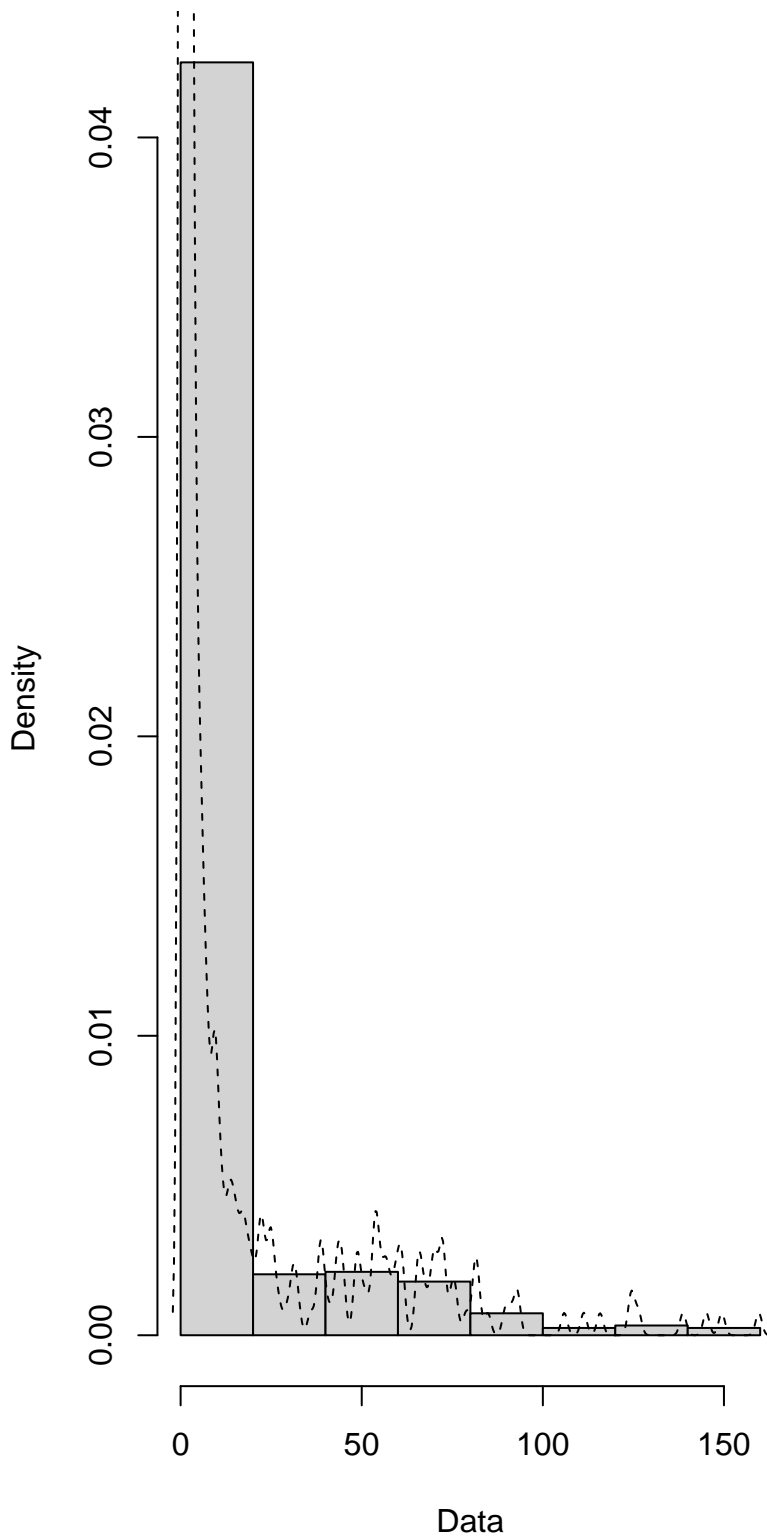


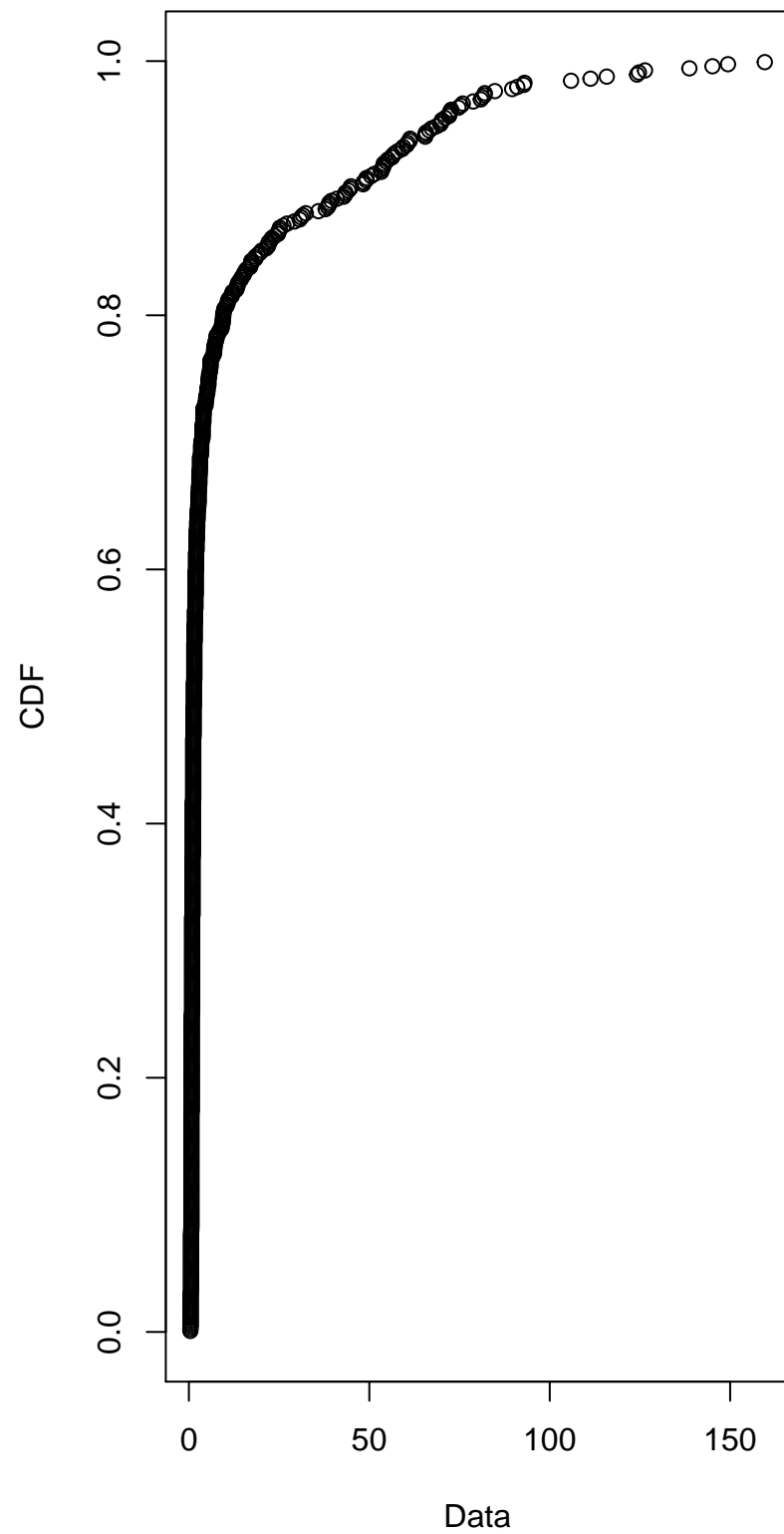
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4000	0.8452	1.4000	11.3277	5.4225	159.6000	1

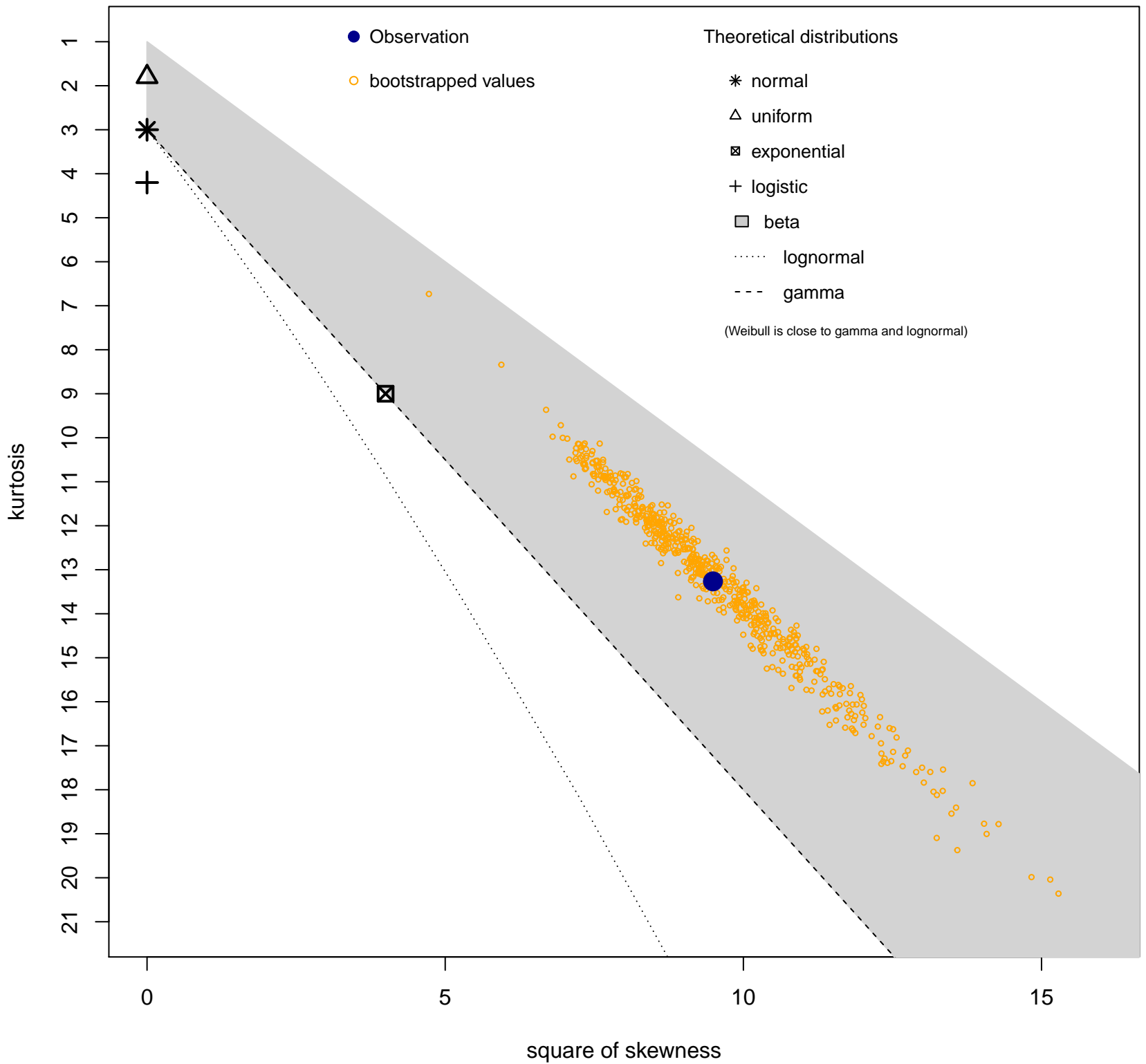
Empirical density



Cumulative distribution



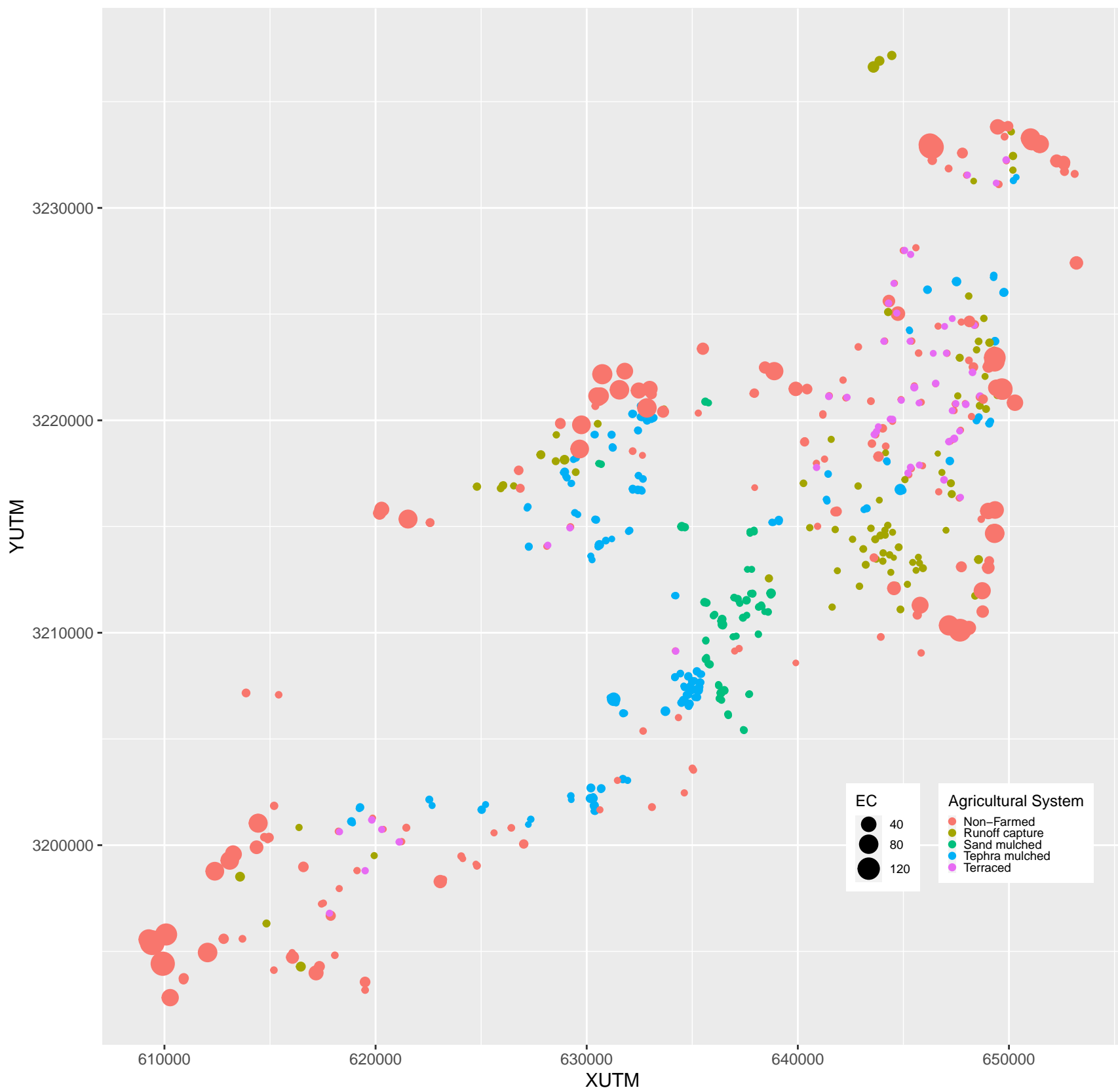
Cullen and Frey graph



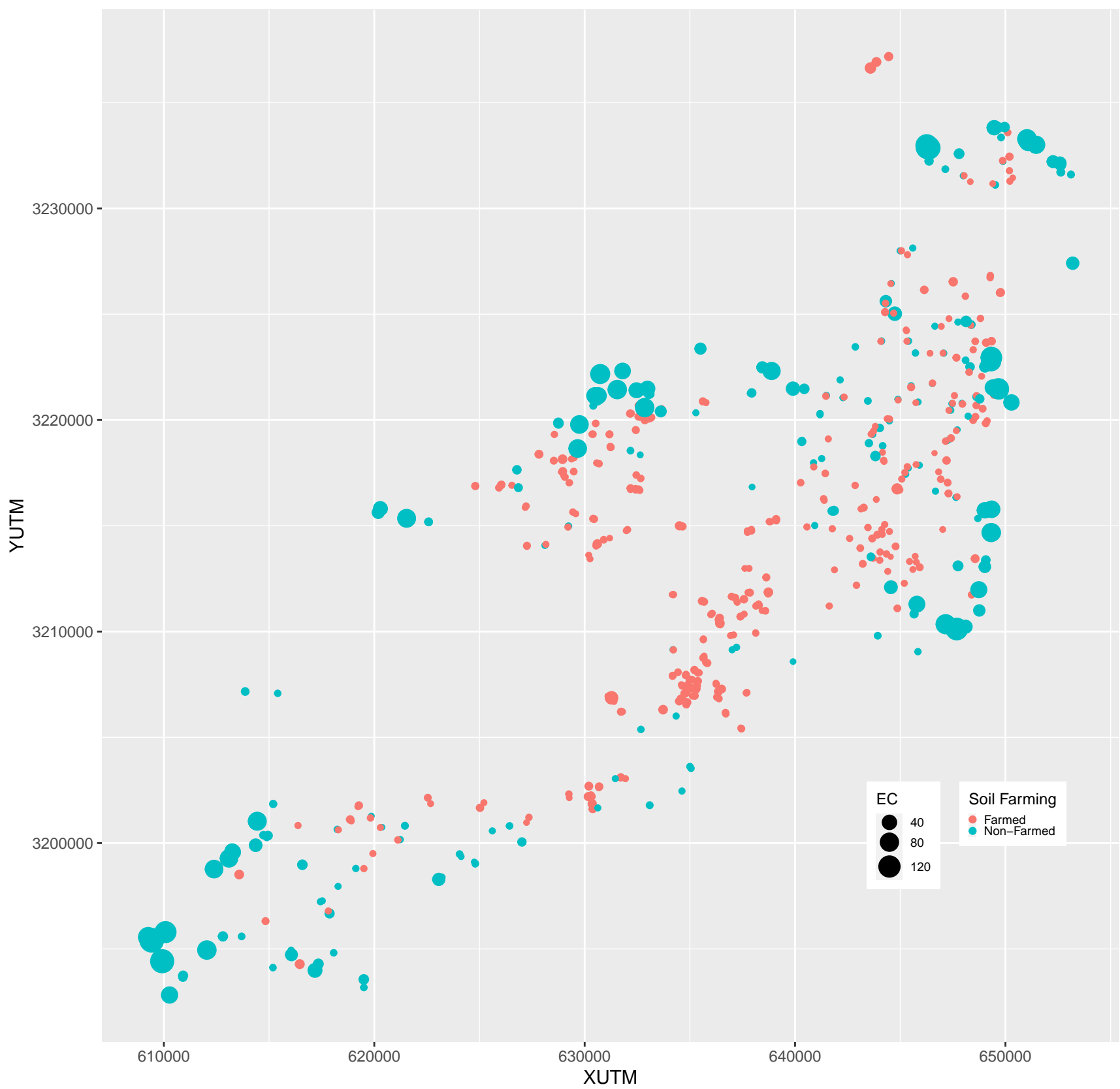
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.49899, p-value < 2.2e-16

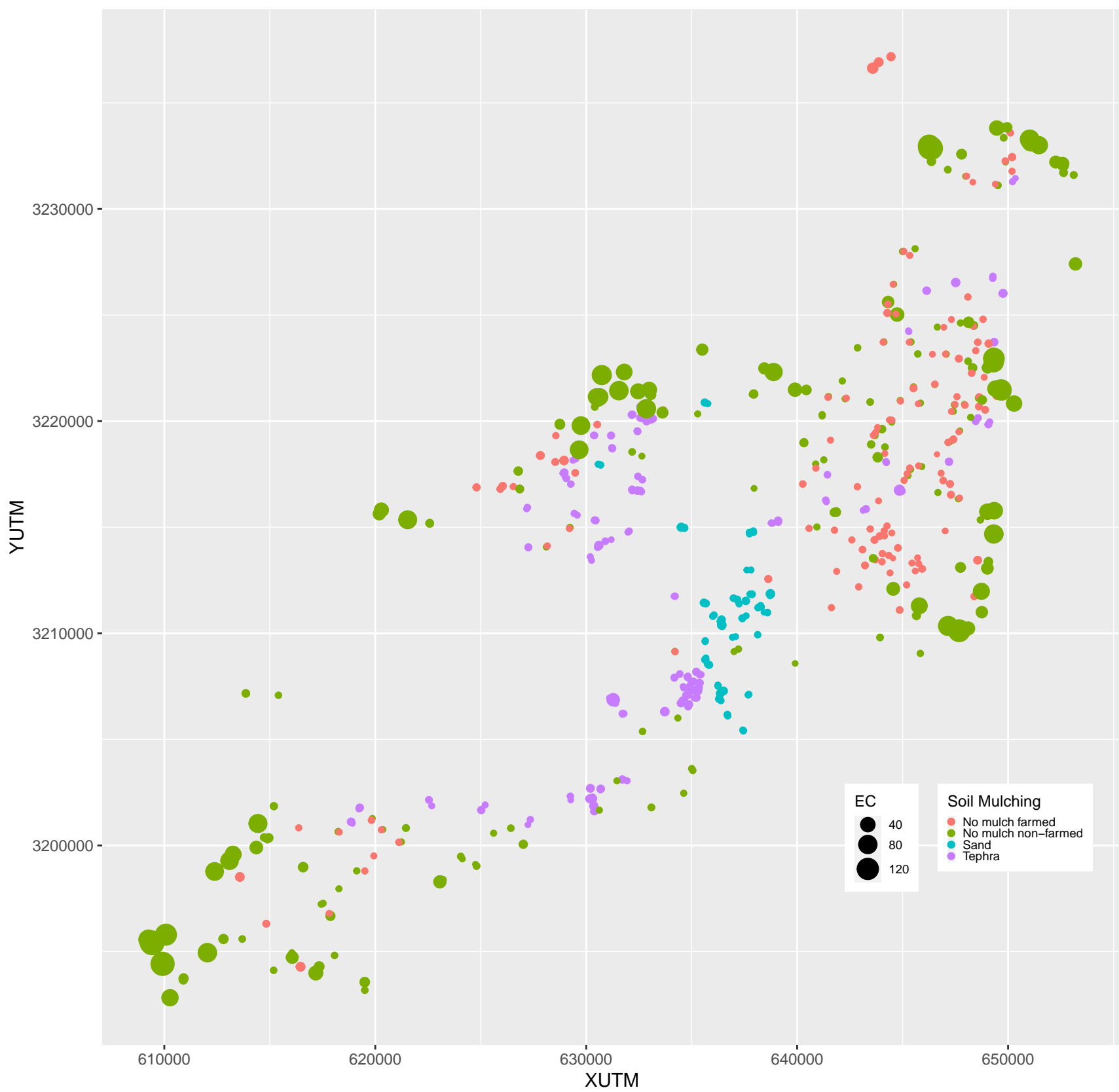
EC according to location and Agricultural System



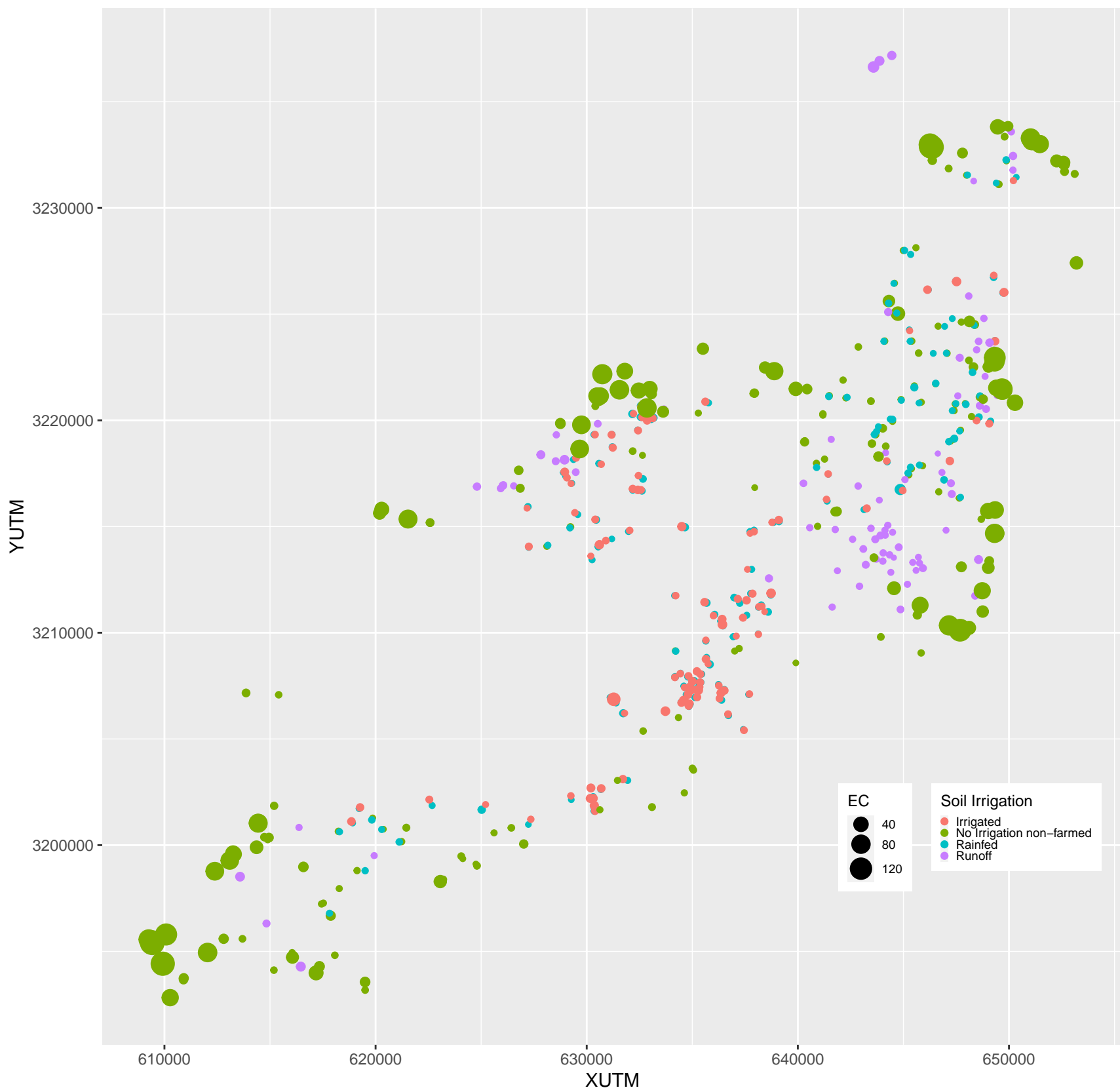
EC according to location and Soil Farming



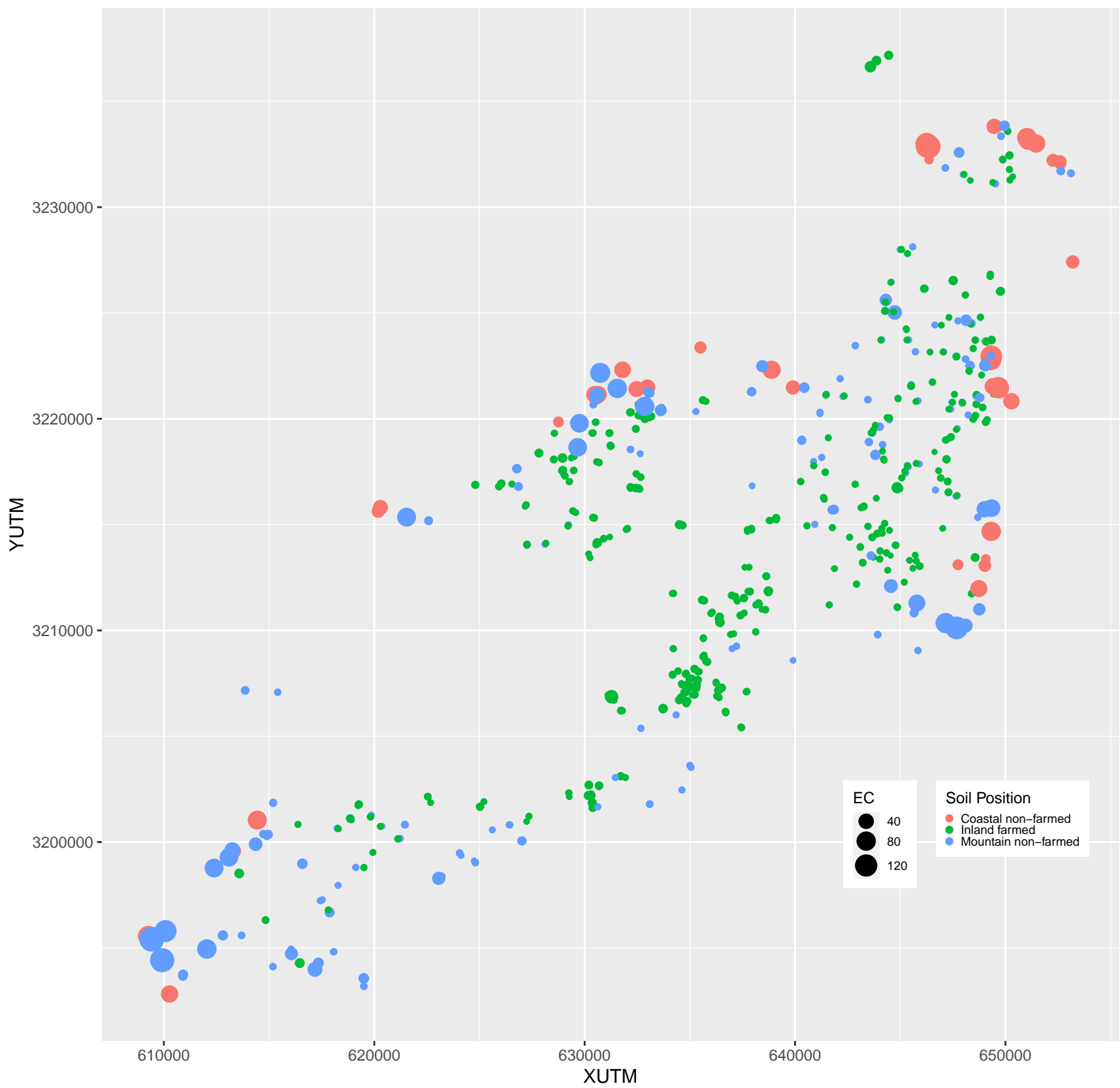
EC according to location and Soil Mulching



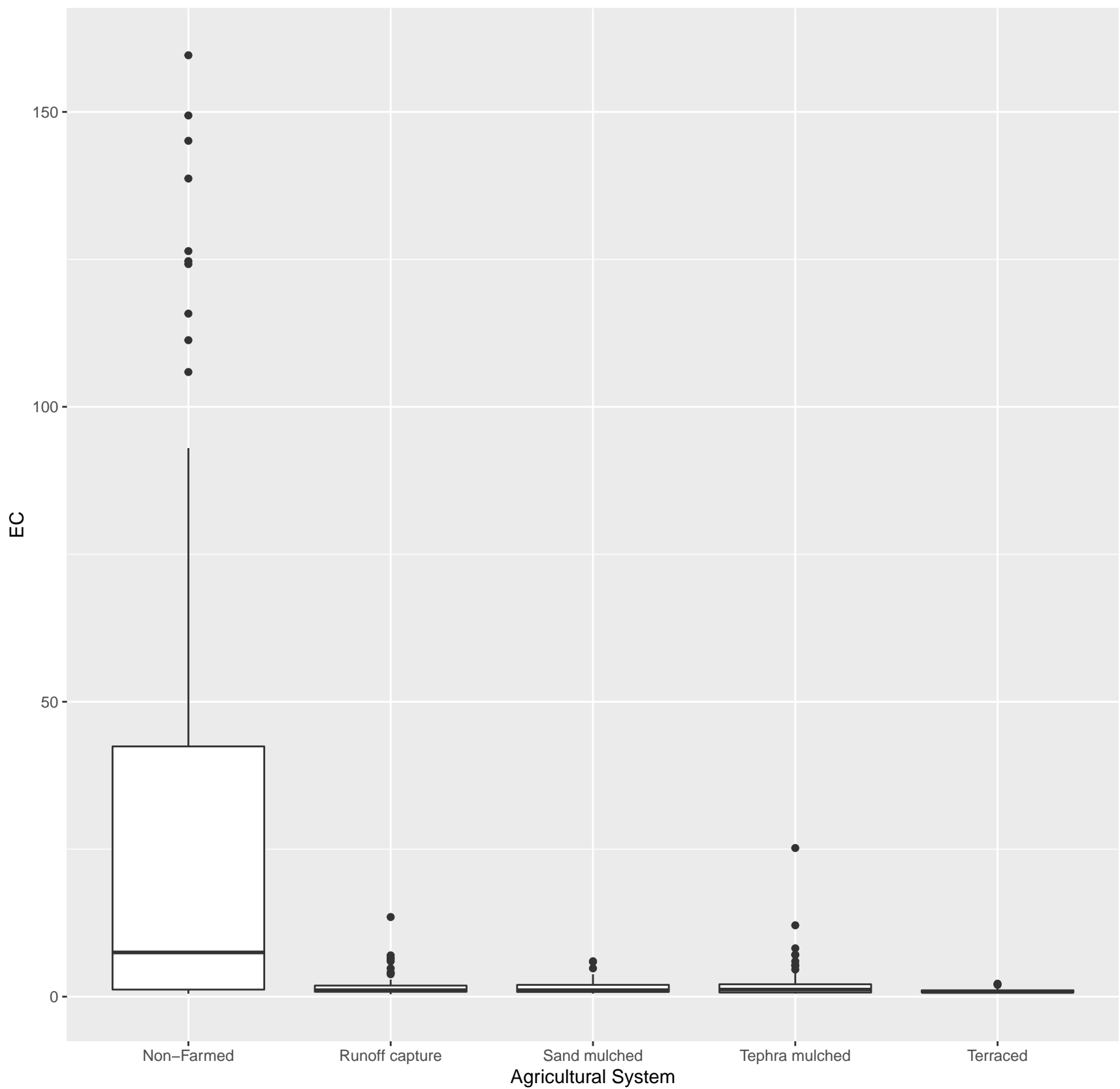
EC according to location and Soil Irrigation



EC according to location and Soil Position



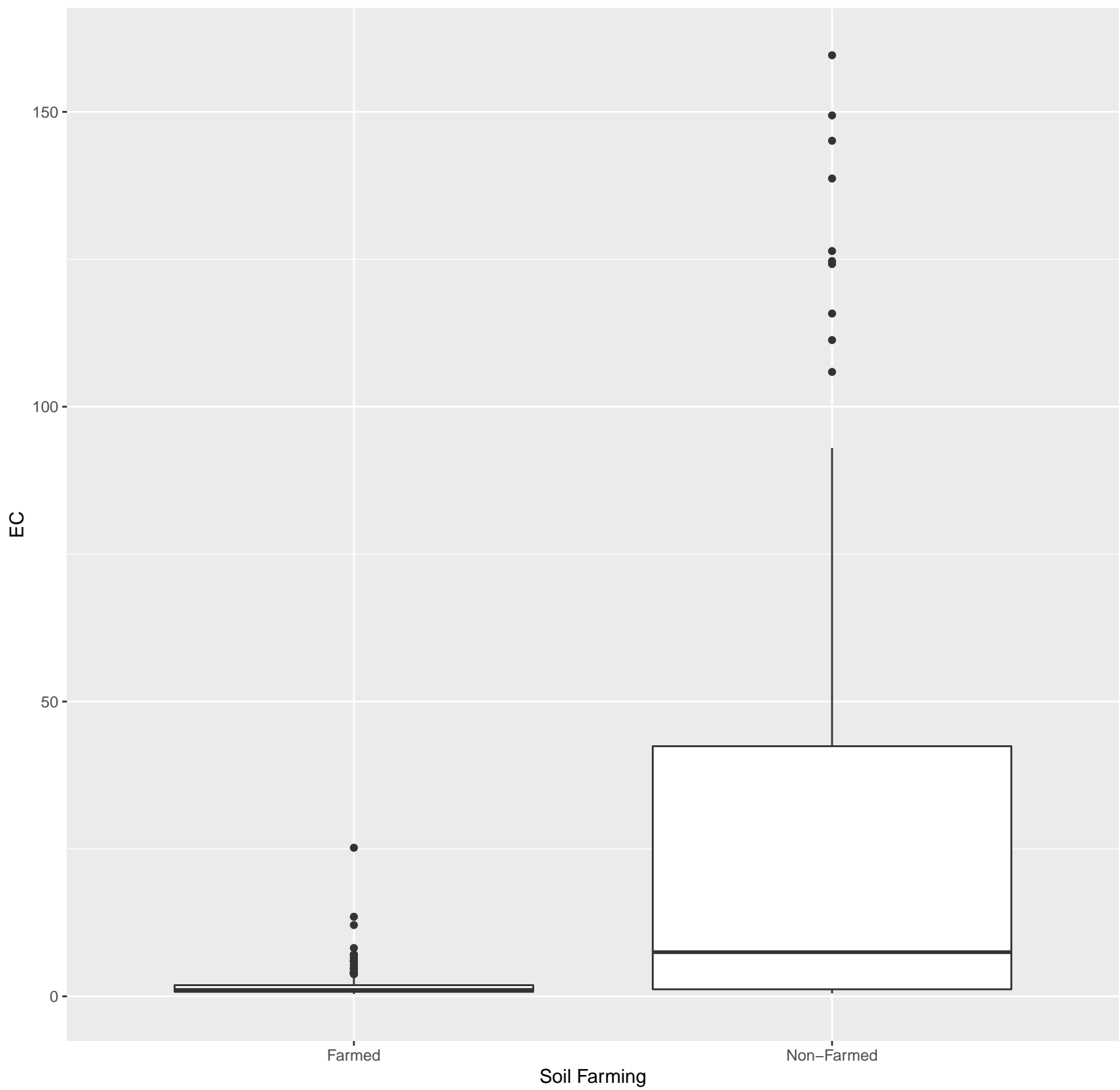
EC to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	EC	Non-Farmed	Runoff capture	262	82	16319.5	1.25e-12	1.00e-11	****
2	EC	Non-Farmed	Sand mulched	262	60	12085.0	8.21e-11	5.75e-10	****
3	EC	Non-Farmed	Tephra mulched	262	160	31973.5	1.25e-19	1.25e-18	****
4	EC	Non-Farmed	Terraced	262	50	11194.0	1.89e-15	1.70e-14	****
5	EC	Runoff capture	Sand mulched	82	60	2501.0	8.67e-01	1.00e+00	ns
6	EC	Runoff capture	Tephra mulched	82	160	6512.5	9.27e-01	1.00e+00	ns
7	EC	Runoff capture	Terraced	82	50	2823.0	2.75e-04	1.00e-03	**
8	EC	Sand mulched	Tephra mulched	60	160	4658.5	7.37e-01	1.00e+00	ns
9	EC	Sand mulched	Terraced	60	50	2037.0	1.00e-03	5.00e-03	**
10	EC	Tephra mulched	Terraced	160	50	5401.0	1.78e-04	1.00e-03	**

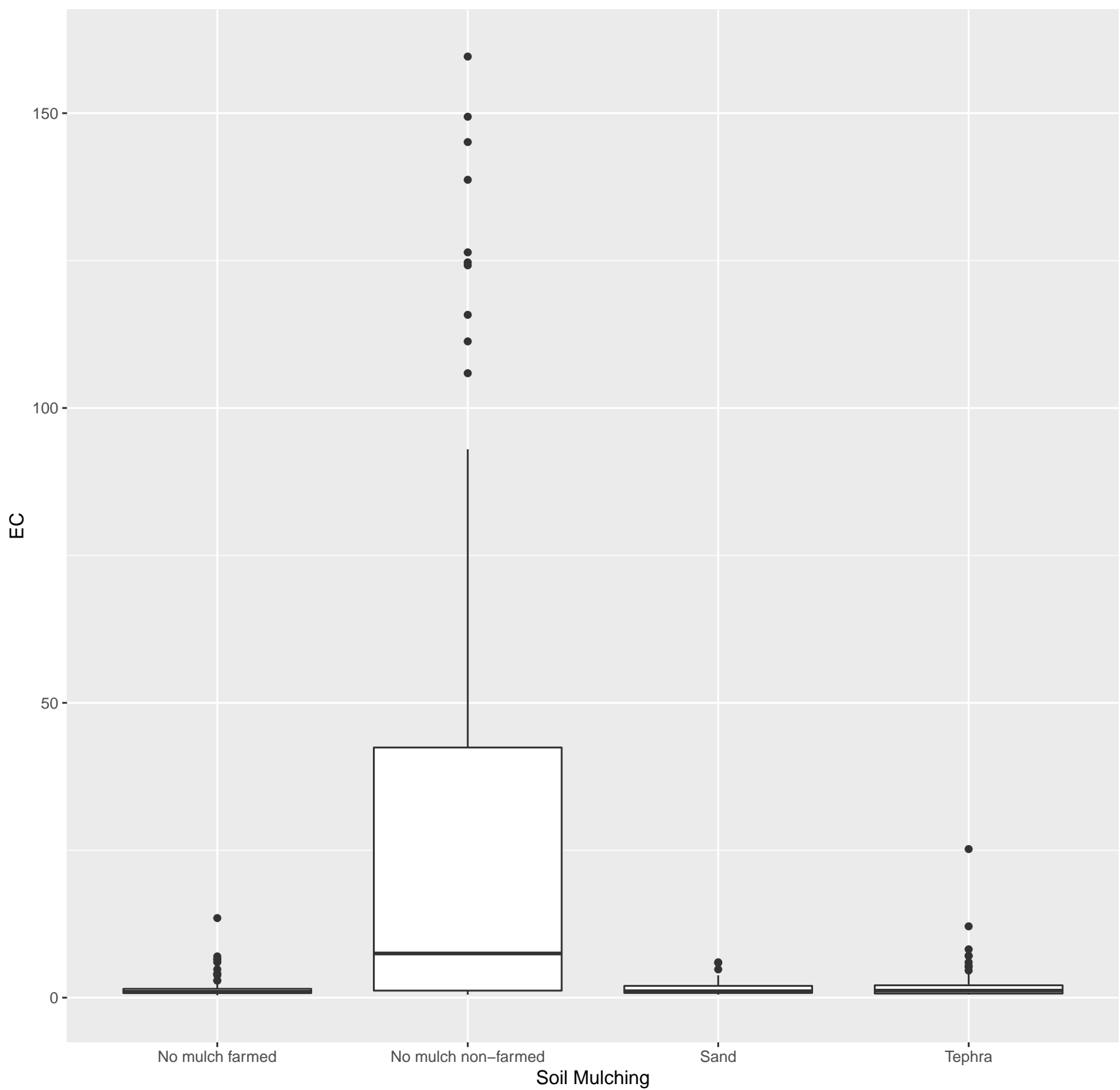
EC to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	EC	Farmed	Non-Farmed	352	262	20652	9.76e-32

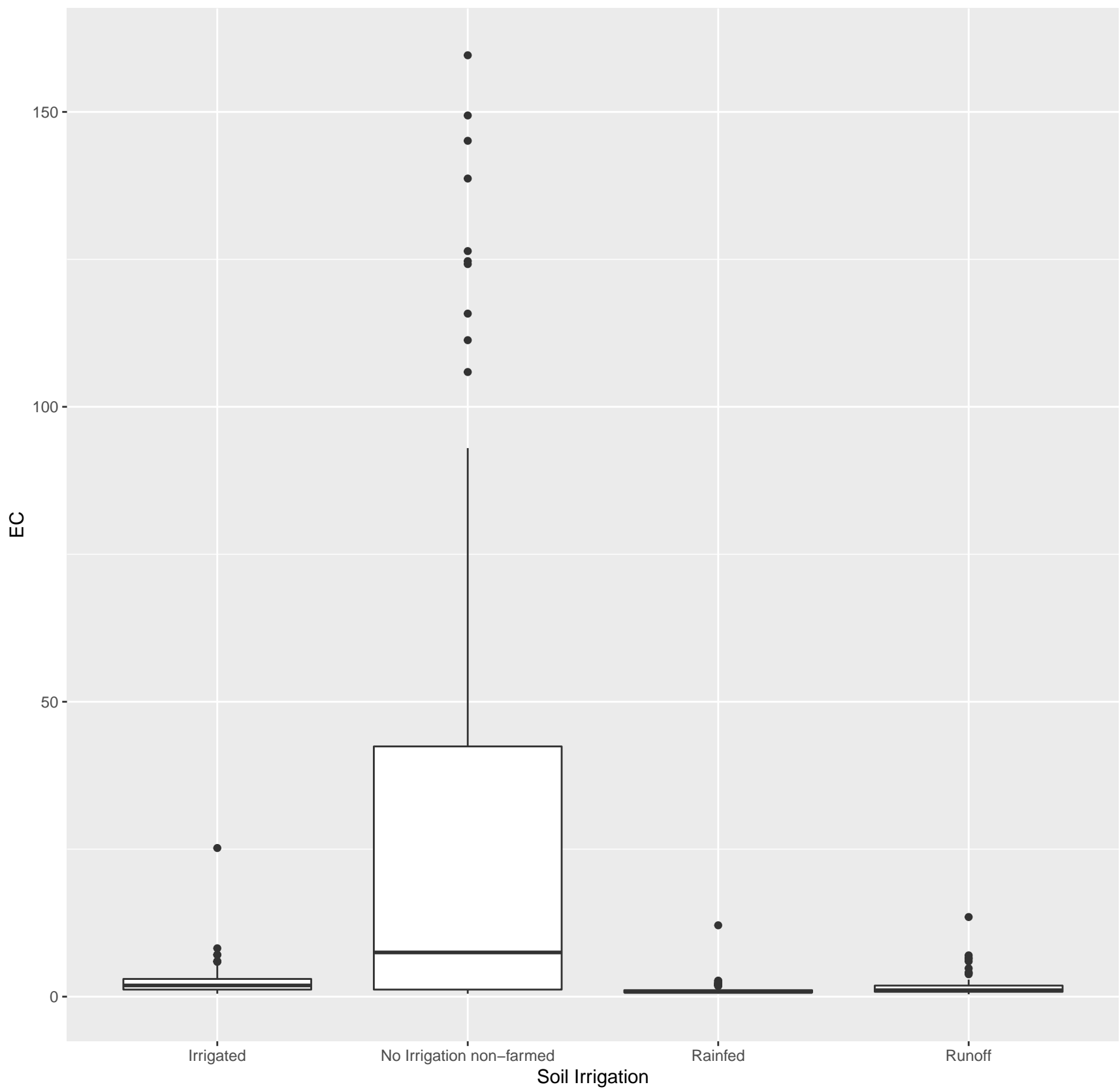
EC to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	EC	No mulch farmed	No mulch non-farmed	132	262	7070.5	9.10e-22	5.46e-21	****
2	EC	No mulch farmed	Sand	132	60	3464.0	1.64e-01	3.28e-01	ns
3	EC	No mulch farmed	Tephra	132	160	9111.5	4.30e-02	1.30e-01	ns
4	EC	No mulch non-farmed	Sand	262	60	12085.0	8.21e-11	3.28e-10	****
5	EC	No mulch non-farmed	Tephra	262	160	31973.5	1.25e-19	6.25e-19	****
6	EC	Sand	Tephra	60	160	4658.5	7.37e-01	7.37e-01	ns

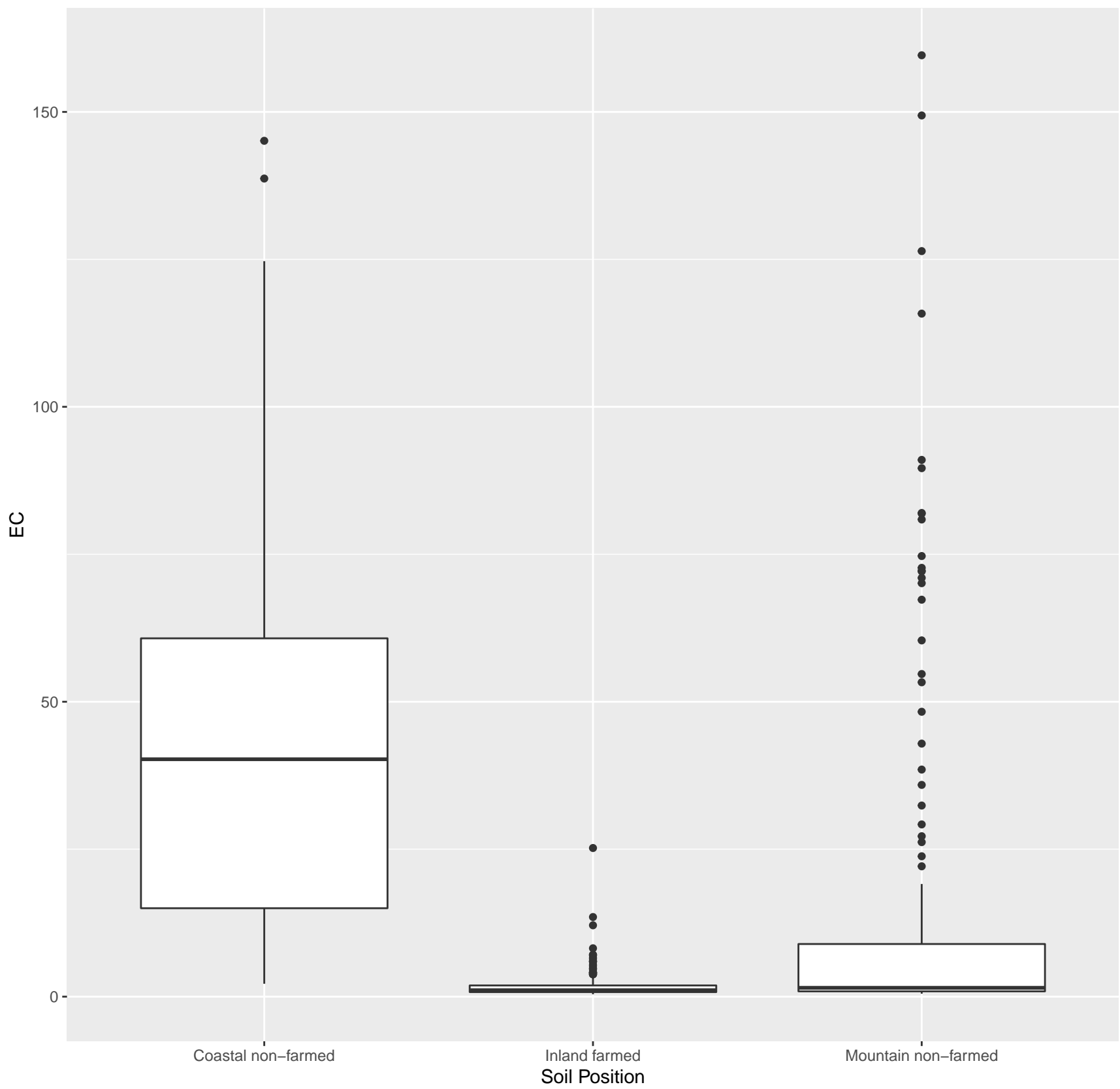
EC to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	EC	Irrigated	No Irrigation non-farmed	110	262	9278.0	5.86e-08	1.76e-07	****
2	EC	Irrigated	Rainfed	110	160	14906.5	2.59e-22	1.29e-21	****
3	EC	Irrigated	Runoff	110	82	6142.0	1.81e-05	1.81e-05	****
4	EC	No Irrigation non-farmed	Rainfed	262	160	35710.5	5.78e-34	3.47e-33	****
5	EC	No Irrigation non-farmed	Runoff	262	82	16319.5	1.25e-12	5.00e-12	****
6	EC	Rainfed	Runoff	160	82	4161.5	2.92e-06	5.84e-06	****

EC to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	EC	Coastal non-farmed	Inland farmed	92	352	32193.0	2.09e-48	6.27e-48	****
2	EC	Coastal non-farmed	Mountain non-farmed	92	170	13399.5	1.55e-21	3.10e-21	****
3	EC	Inland farmed	Mountain non-farmed	352	170	20461.0	4.45e-09	4.45e-09	****