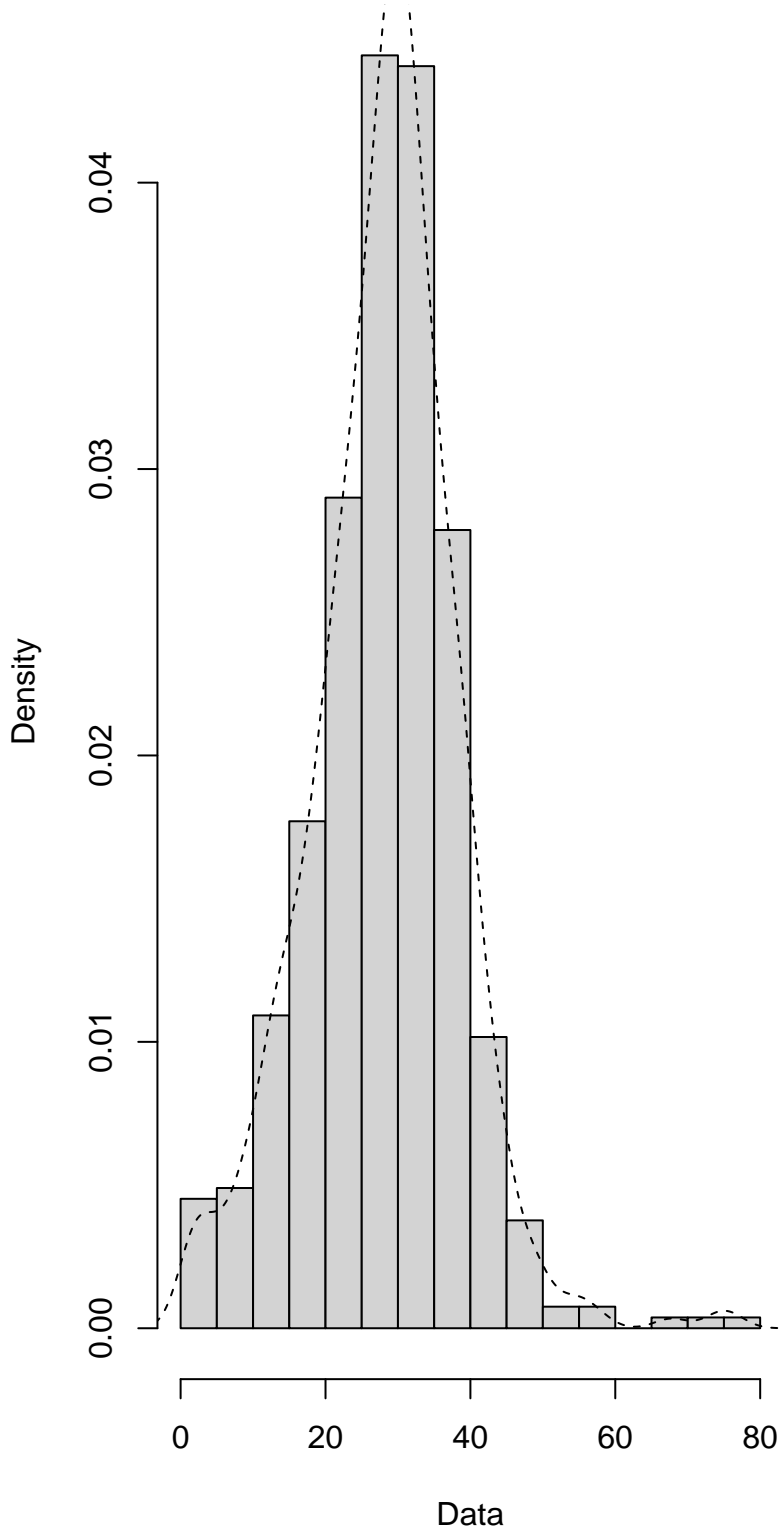


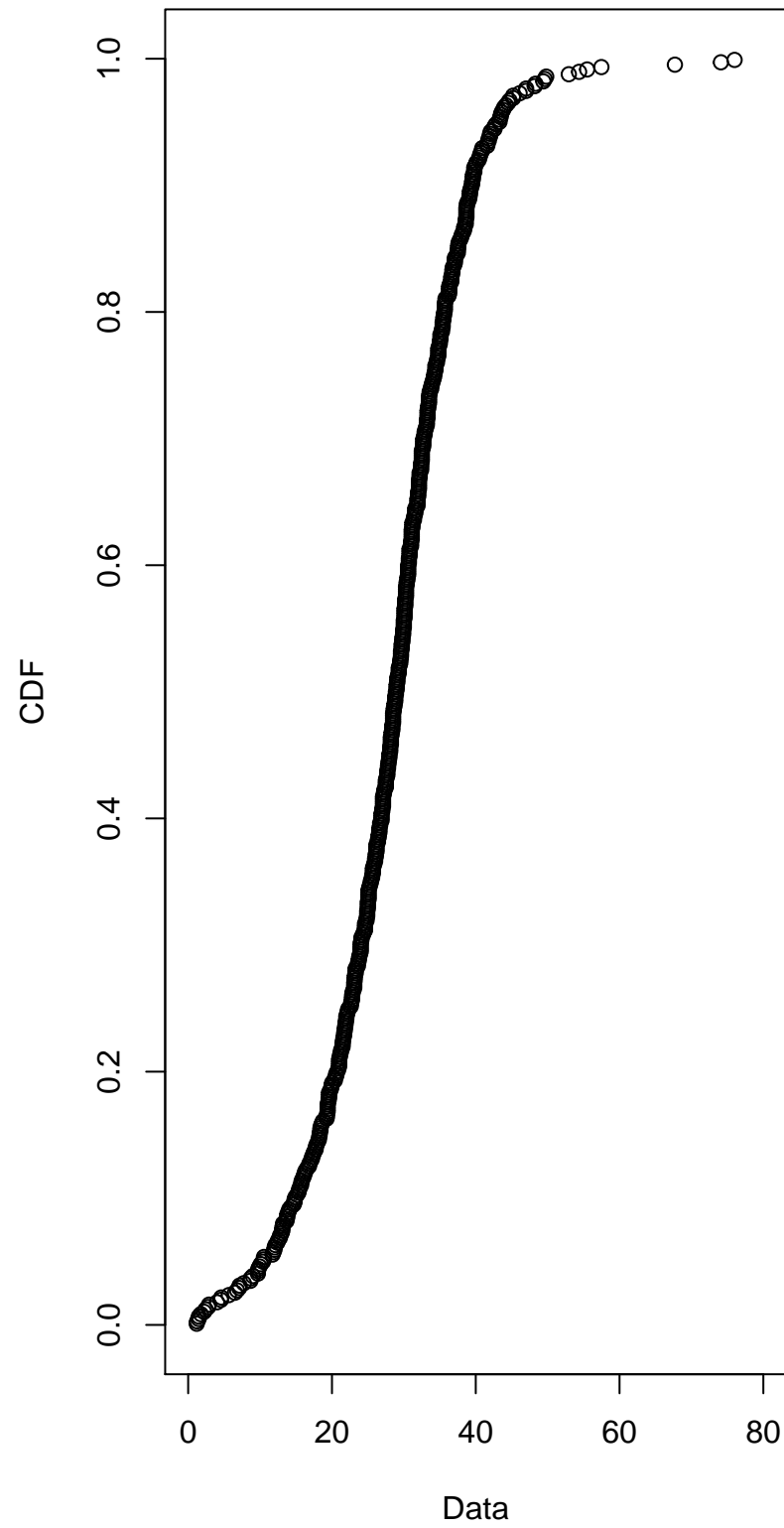
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.189	22.431	28.900	28.214	34.216	76.000	84

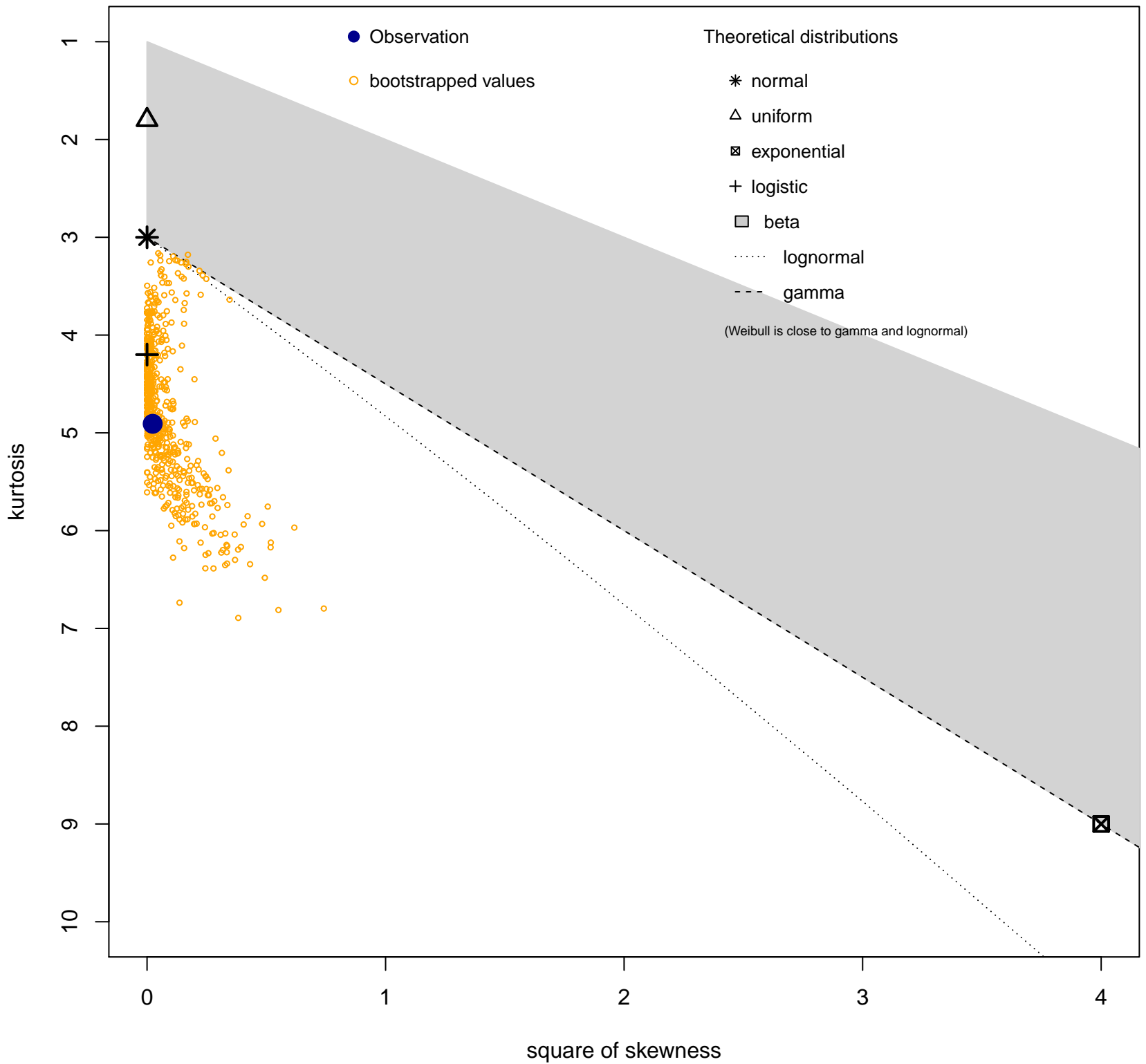
Empirical density



Cumulative distribution



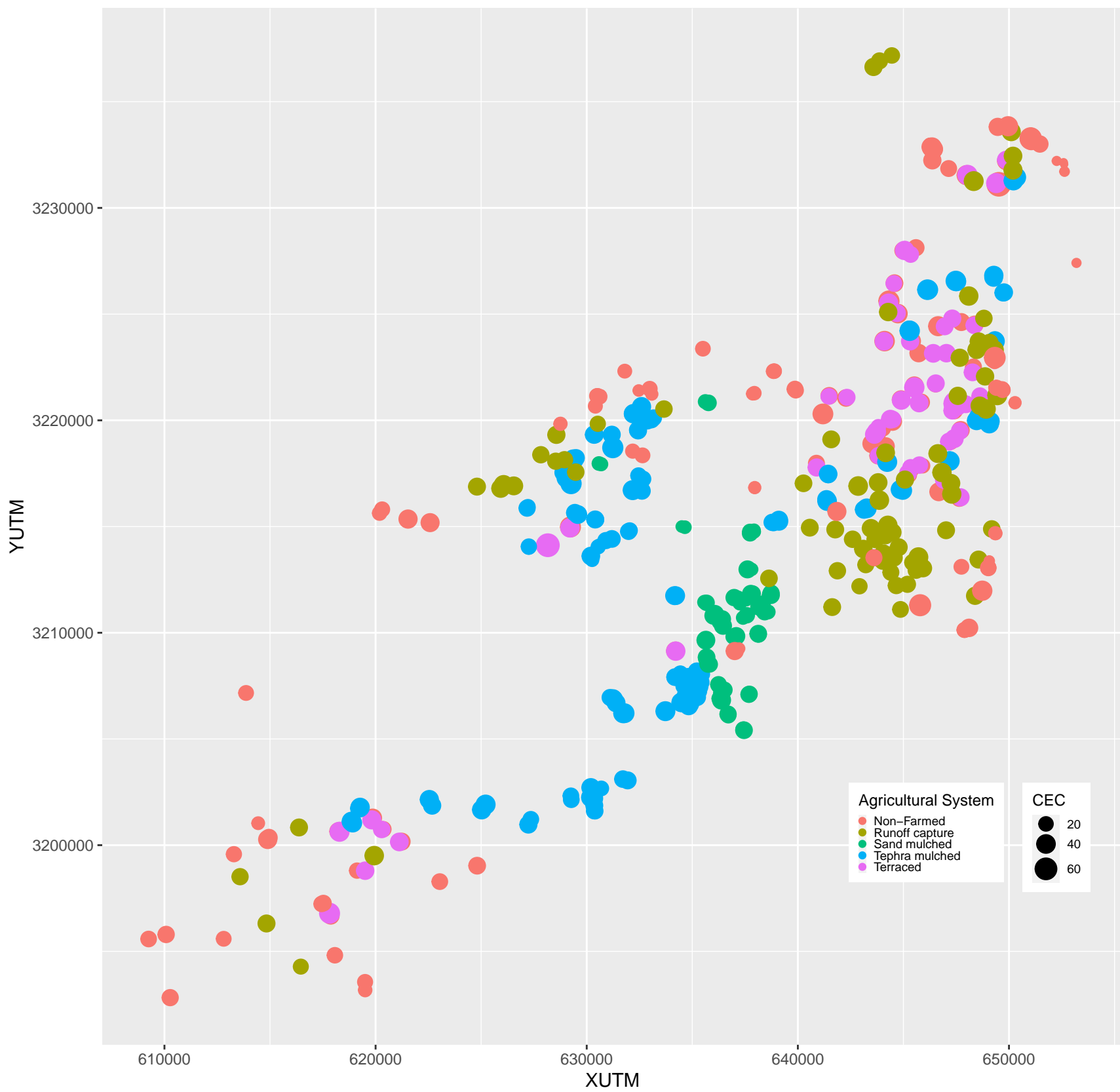
Cullen and Frey graph



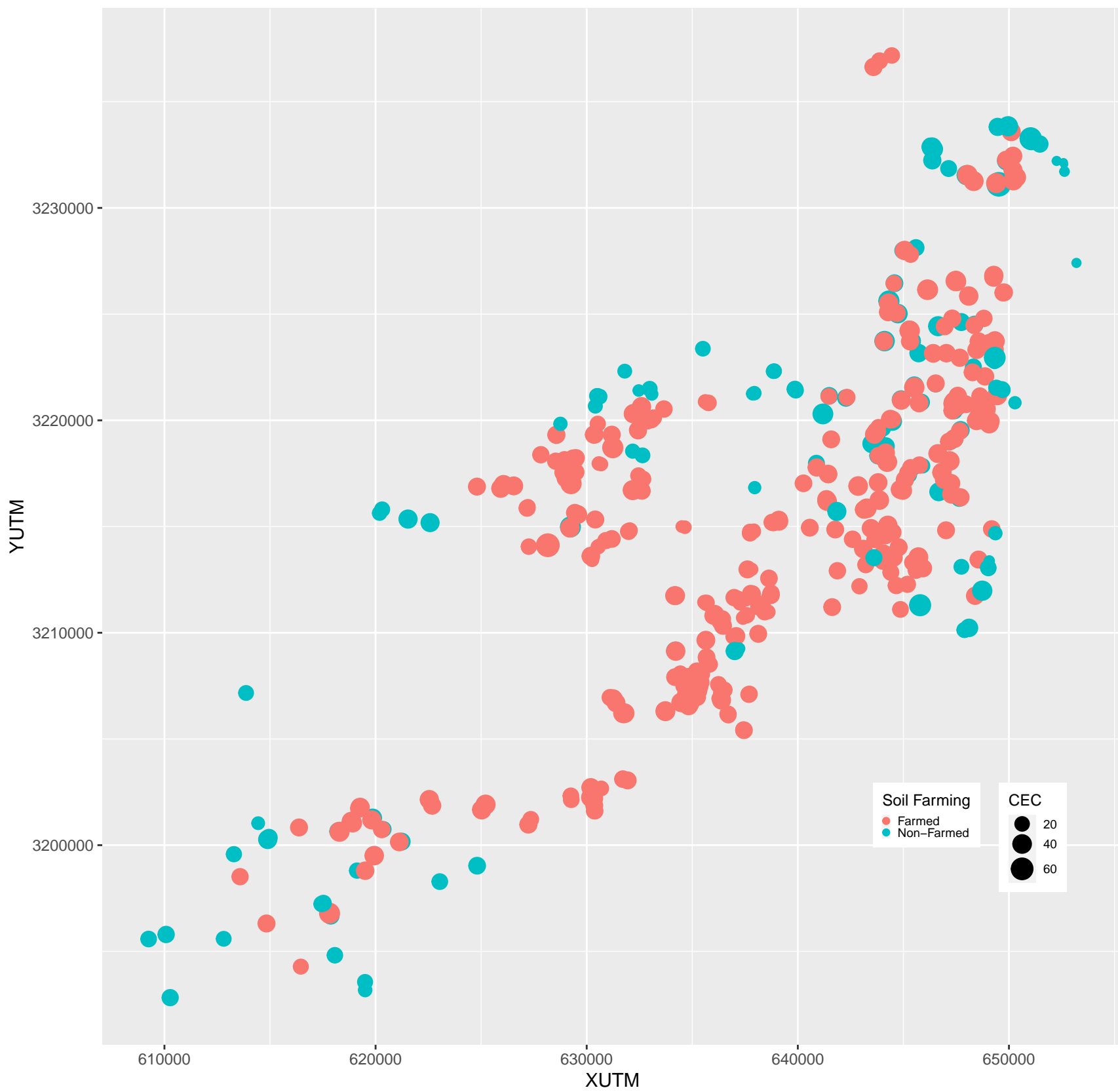
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.97406, p-value = 4.351e-08

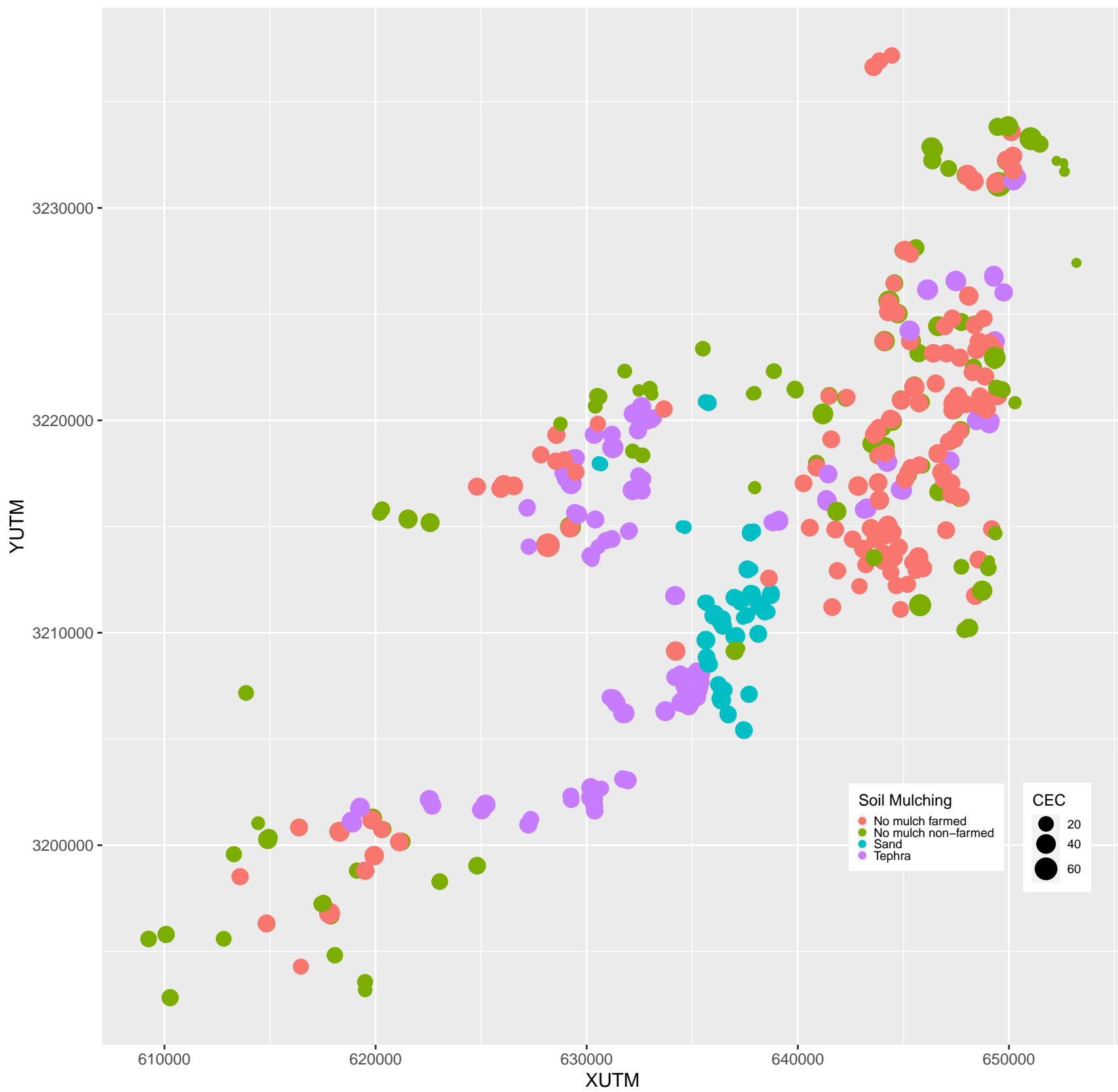
CEC according to location and Agricultural System



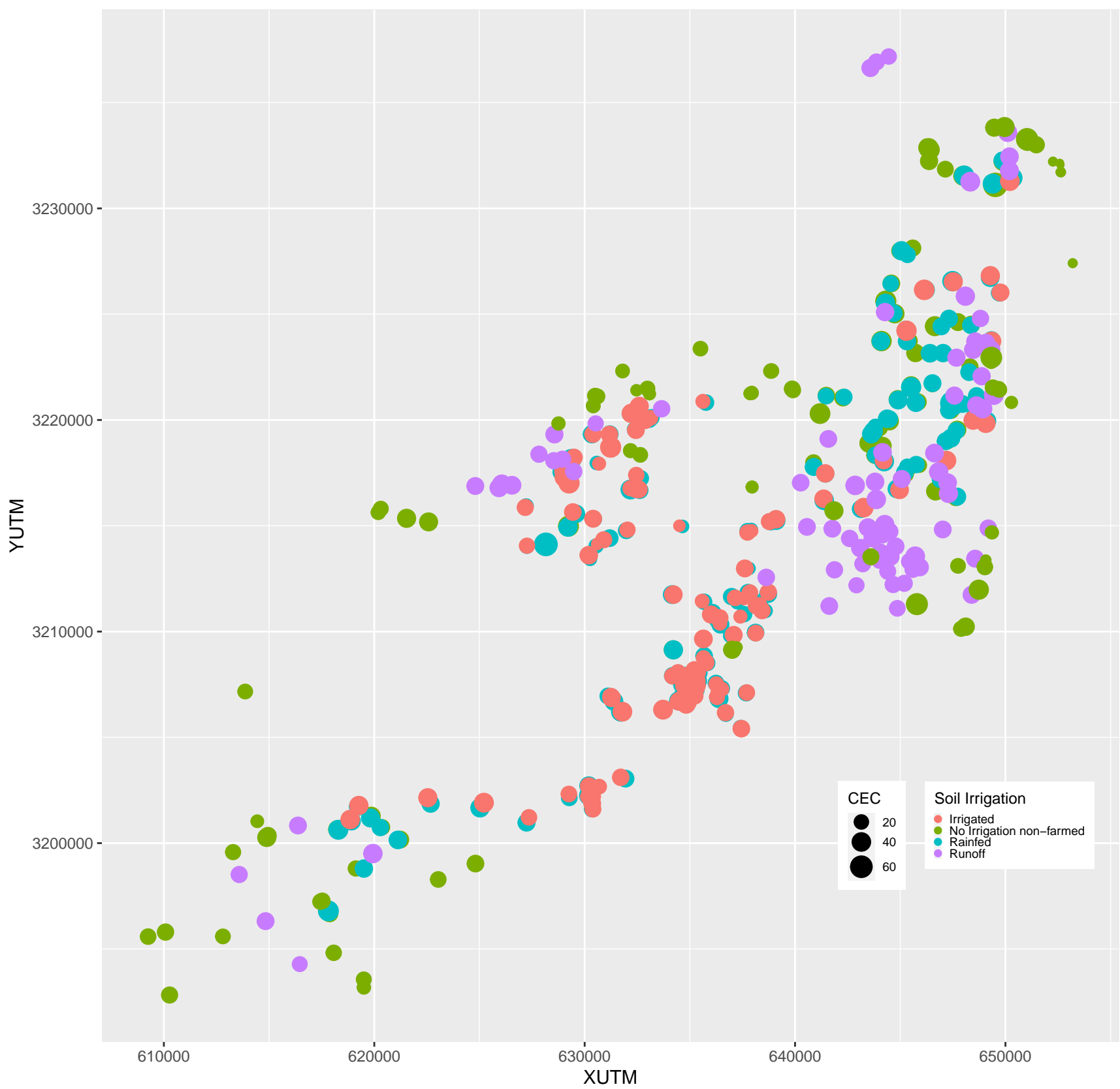
CEC according to location and Soil Farming



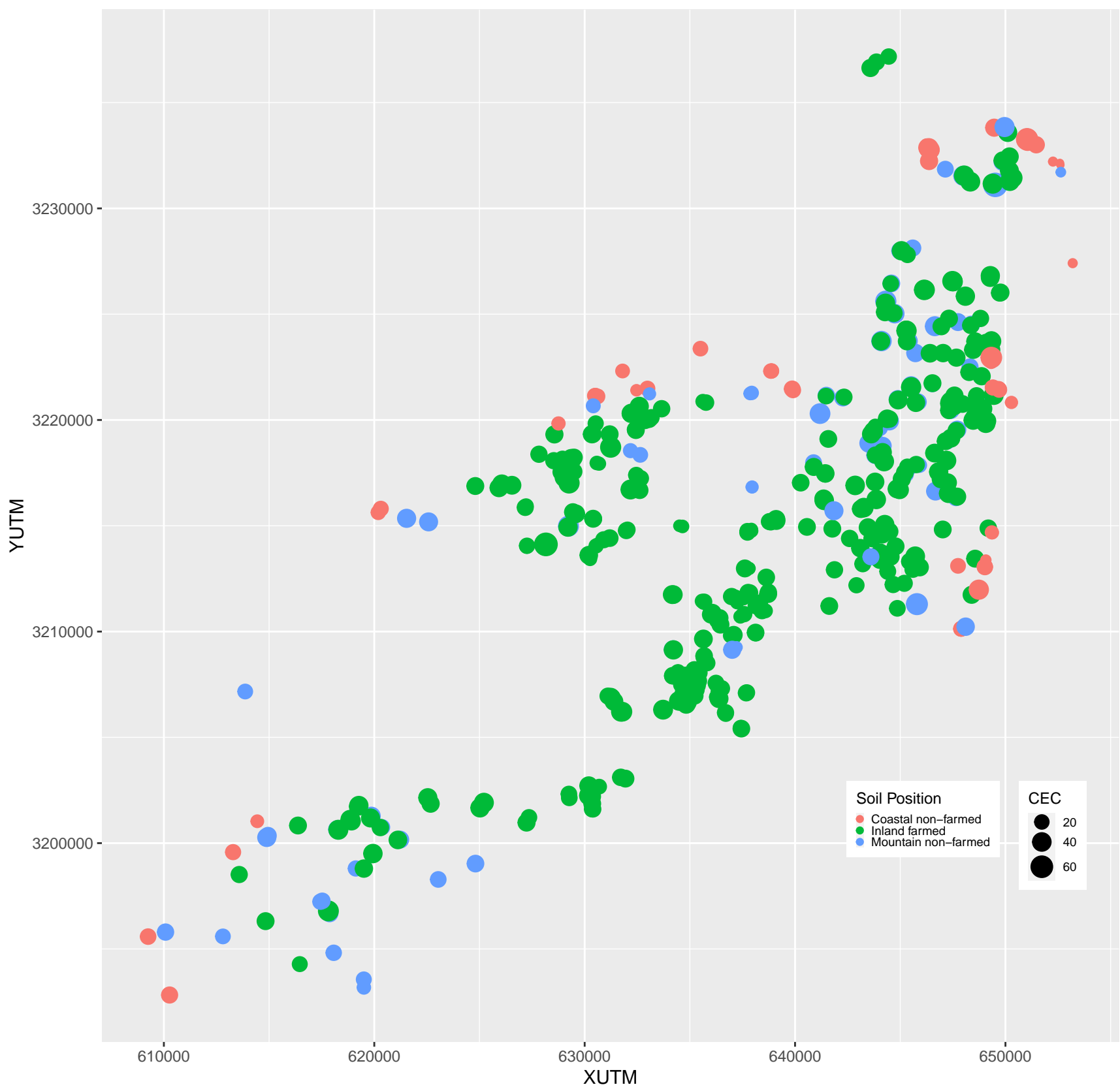
CEC according to location and Soil Mulching



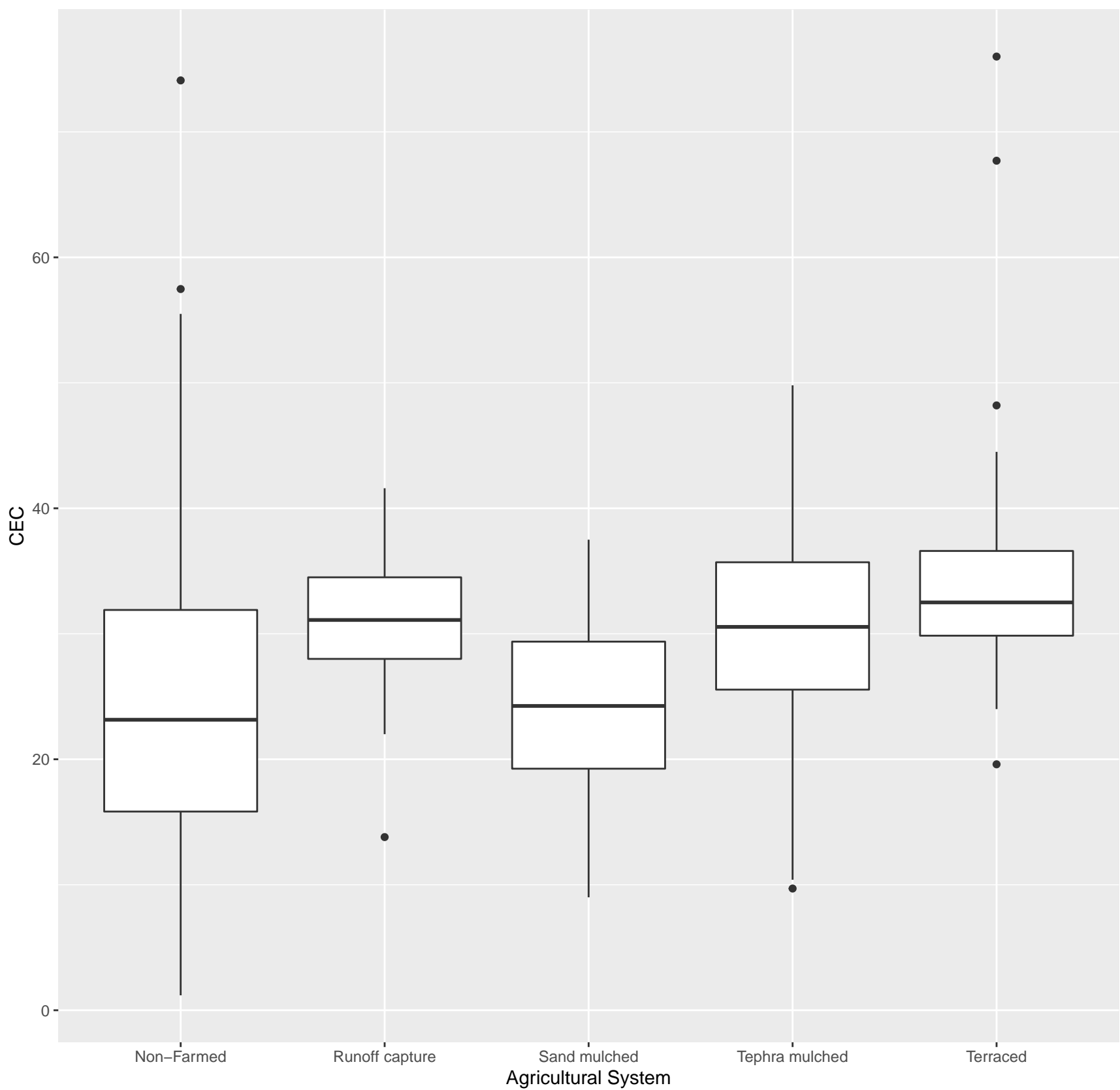
CEC according to location and Soil Irrigation



CEC according to location and Soil Position



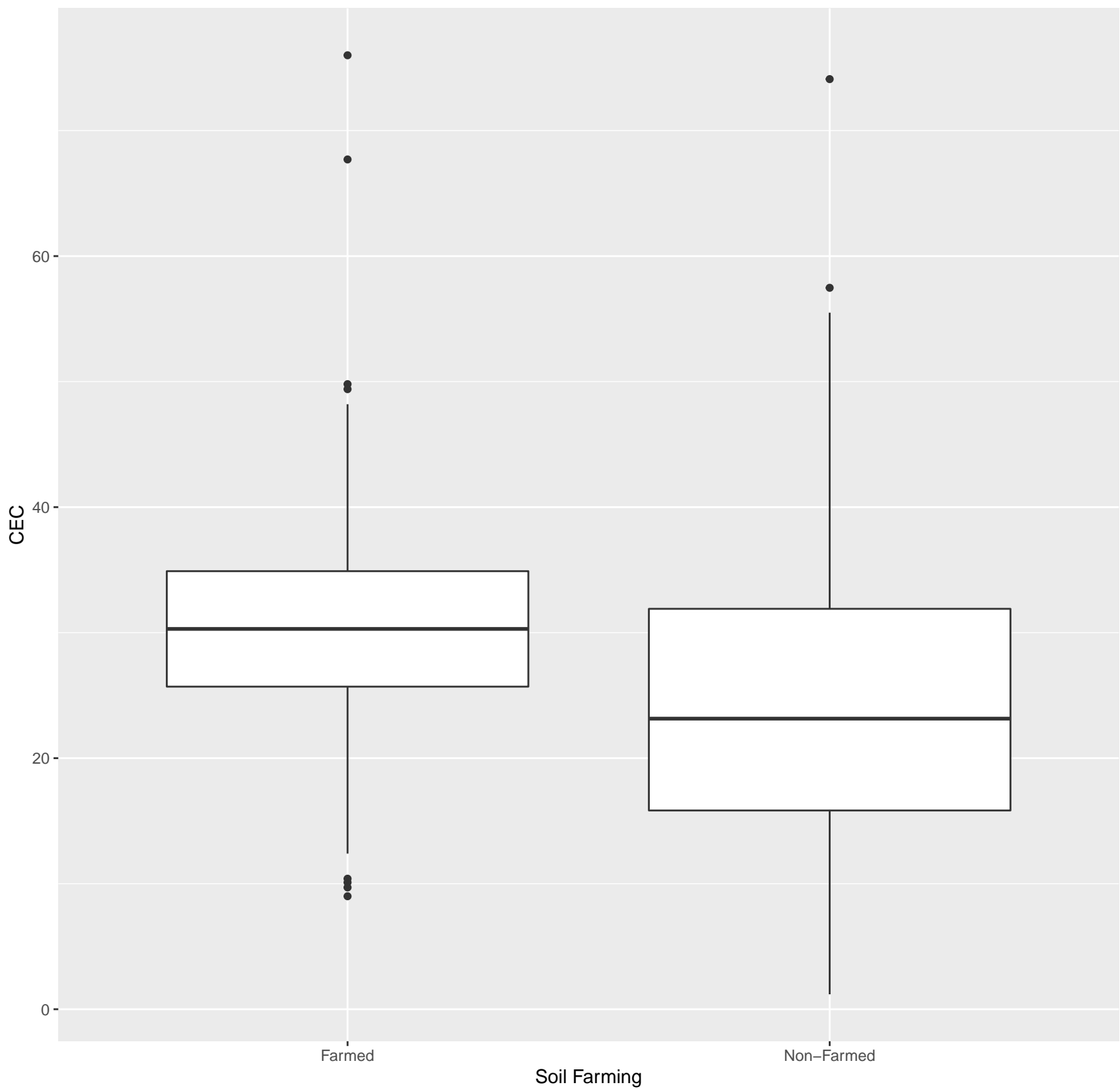
CEC to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CEC	Non-Farmed	Runoff capture	178	83	3980.5	2.01e-09	1.61e-08	****
2	CEC	Non-Farmed	Sand mulched	178	60	5253.0	8.51e-01	8.51e-01	ns
3	CEC	Non-Farmed	Tephra mulched	178	160	8954.0	3.80e-09	2.66e-08	****
4	CEC	Non-Farmed	Terraced	178	50	2082.0	9.21e-09	5.53e-08	****
5	CEC	Runoff capture	Sand mulched	83	60	4046.0	1.97e-10	1.97e-09	****
6	CEC	Runoff capture	Tephra mulched	83	160	7121.0	3.55e-01	7.10e-01	ns
7	CEC	Runoff capture	Terraced	83	50	1732.5	1.12e-01	3.36e-01	ns
8	CEC	Sand mulched	Tephra mulched	60	160	2527.5	6.53e-08	3.26e-07	****
9	CEC	Sand mulched	Terraced	60	50	454.5	3.53e-10	3.18e-09	****
10	CEC	Tephra mulched	Terraced	160	50	3168.5	2.70e-02	1.07e-01	ns

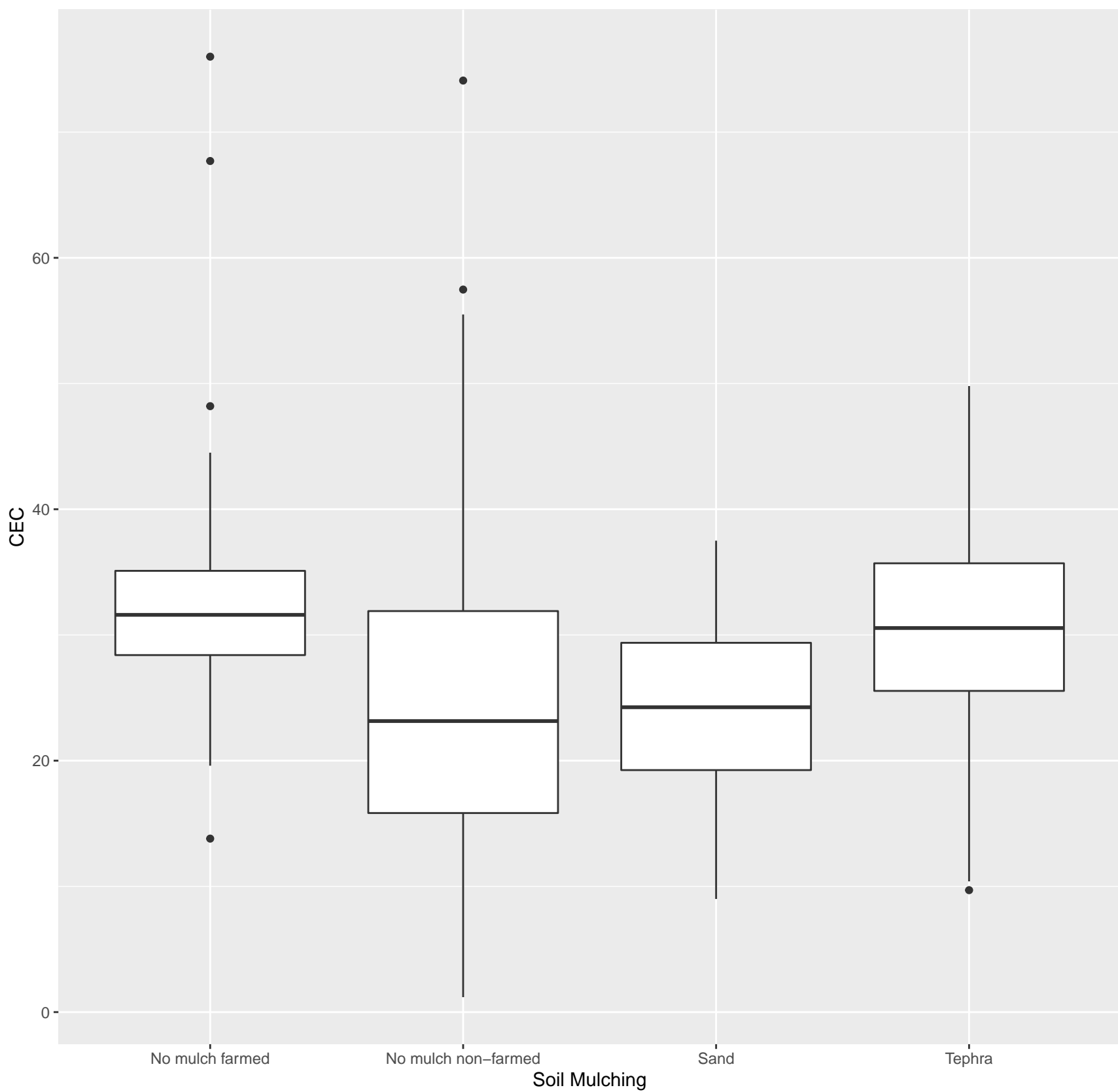
CEC to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	CEC	Farmed	Non-Farmed	353	178	42564.5	2.41e-11

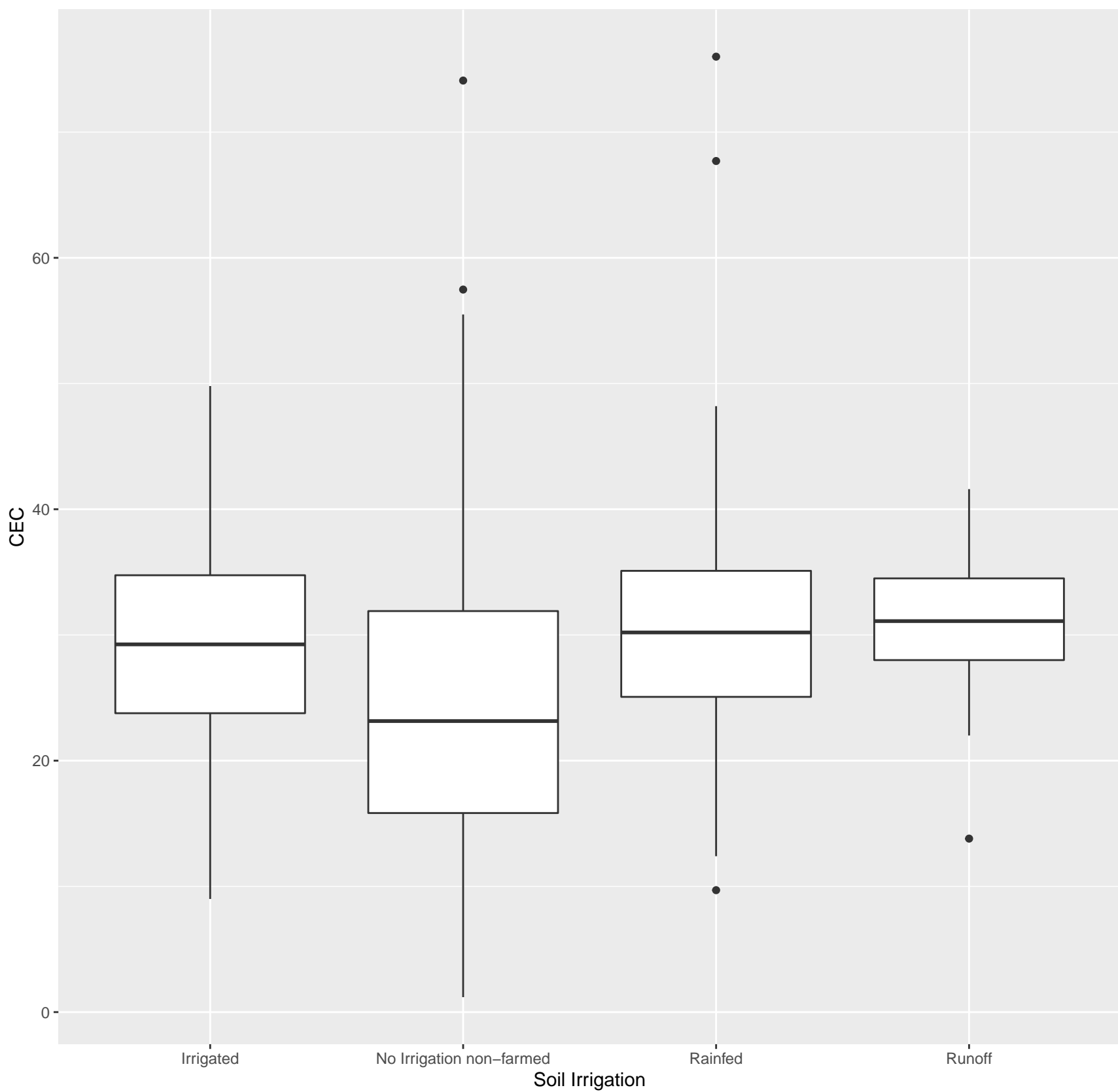
CEC to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CEC	No mulch farmed	No mulch non-farmed	133	178	17611.5	1.84e-13	1.10e-12	****
2	CEC	No mulch farmed	Sand	133	60	6591.5	4.43e-13	2.21e-12	****
3	CEC	No mulch farmed	Tephra	133	160	11952.5	6.90e-02	1.38e-01	ns
4	CEC	No mulch non-farmed	Sand	178	60	5253.0	8.51e-01	8.51e-01	ns
5	CEC	No mulch non-farmed	Tephra	178	160	8954.0	3.80e-09	1.52e-08	****
6	CEC	Sand	Tephra	60	160	2527.5	6.53e-08	1.96e-07	****

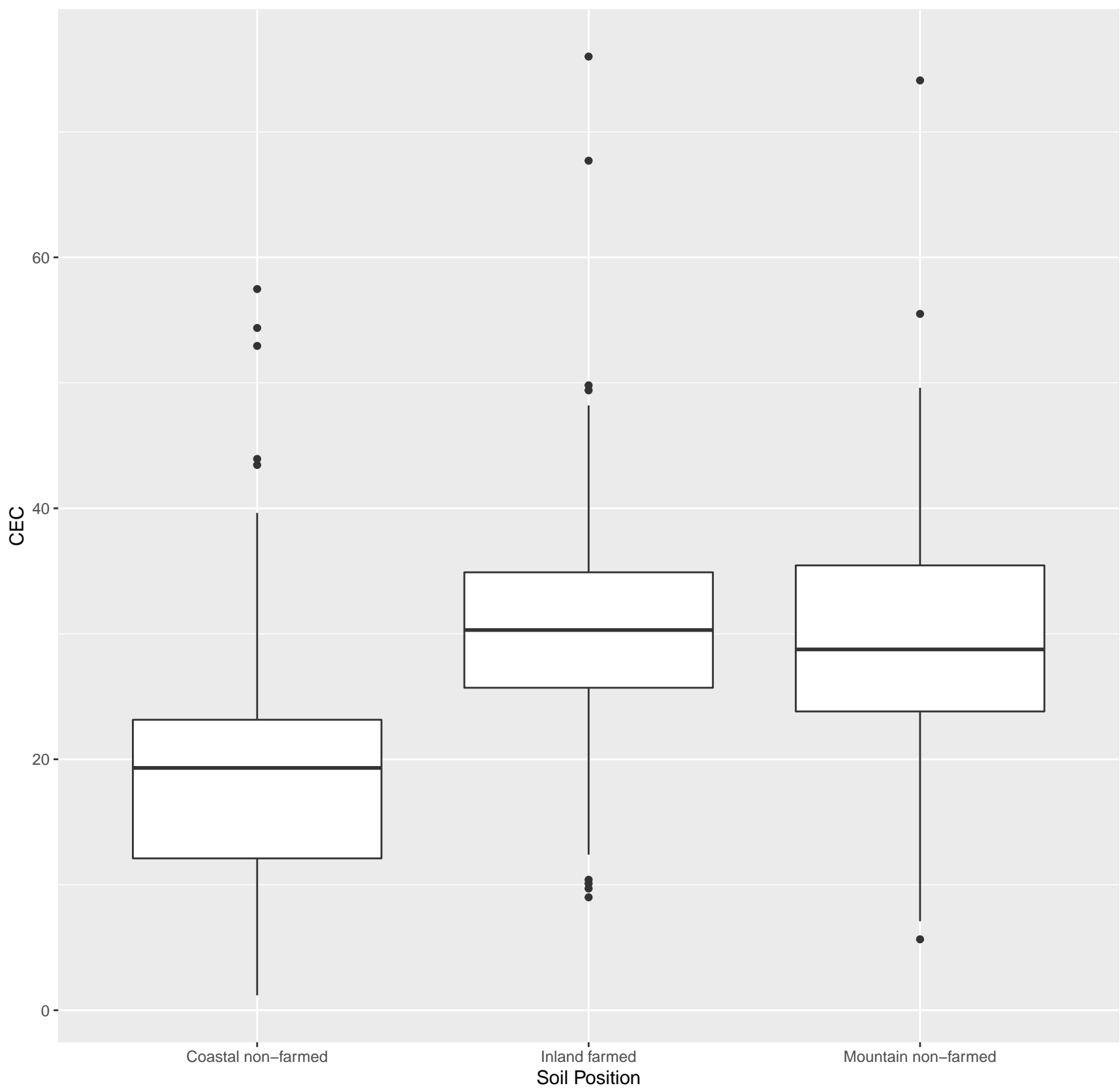
CEC to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CEC	Irrigated	No Irrigation non-farmed	110	178	12613.5	3.94e-05	1.58e-04	***
2	CEC	Irrigated	Rainfed	110	160	8103.5	2.70e-01	3.18e-01	ns
3	CEC	Irrigated	Runoff	110	83	3603.5	1.20e-02	3.70e-02	*
4	CEC	No Irrigation non-farmed	Rainfed	178	160	9322.5	4.21e-08	2.10e-07	****
5	CEC	No Irrigation non-farmed	Runoff	178	83	3980.5	2.01e-09	1.21e-08	****
6	CEC	Rainfed	Runoff	160	83	5907.0	1.59e-01	3.18e-01	ns

CEC to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CEC	Coastal non-farmed	Inland farmed	92	353	6439.0	4.71e-19	1.41e-18	****
2	CEC	Coastal non-farmed	Mountain non-farmed	92	86	1904.0	2.35e-09	4.70e-09	****
3	CEC	Inland farmed	Mountain non-farmed	353	86	16527.5	2.01e-01	2.01e-01	ns