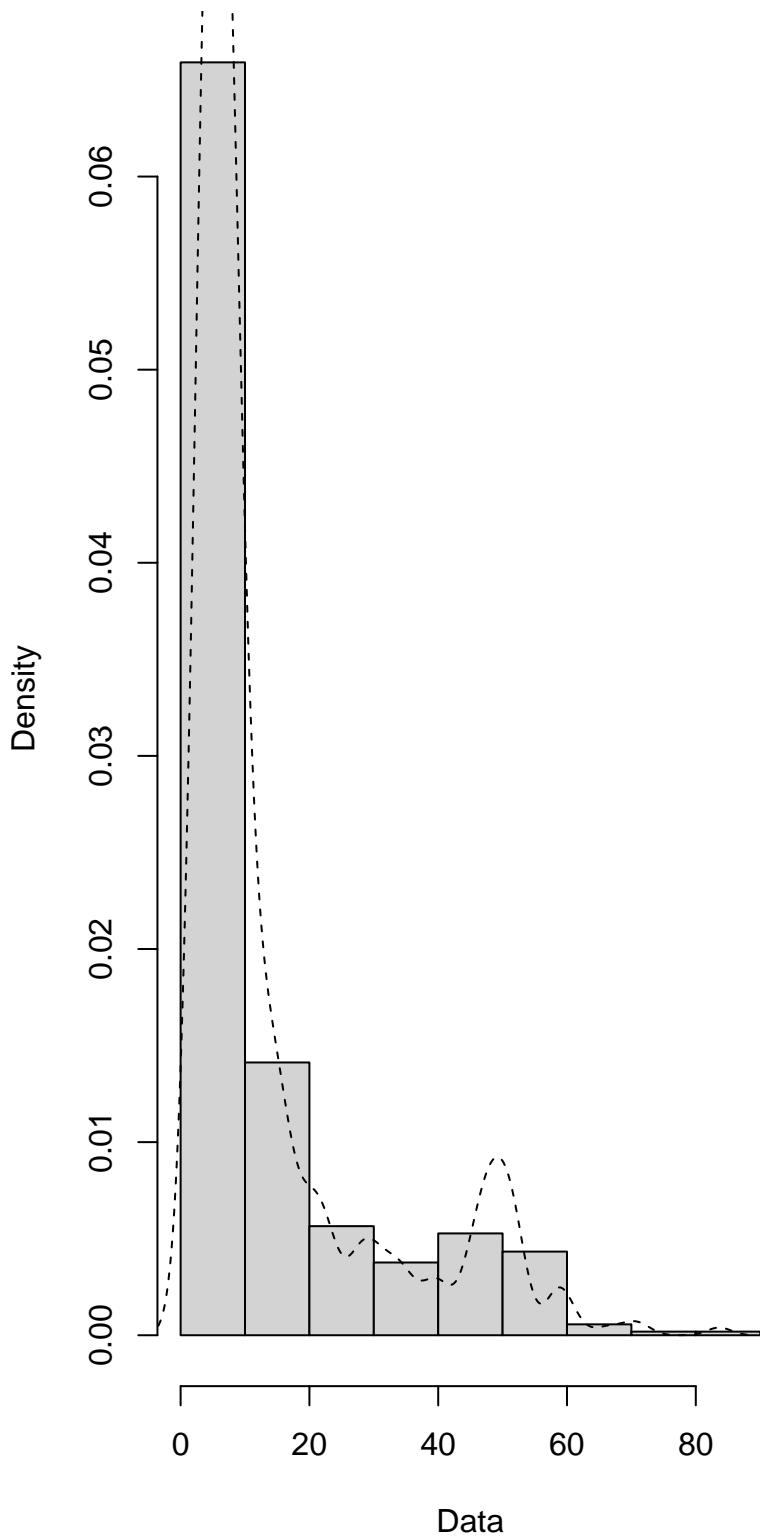


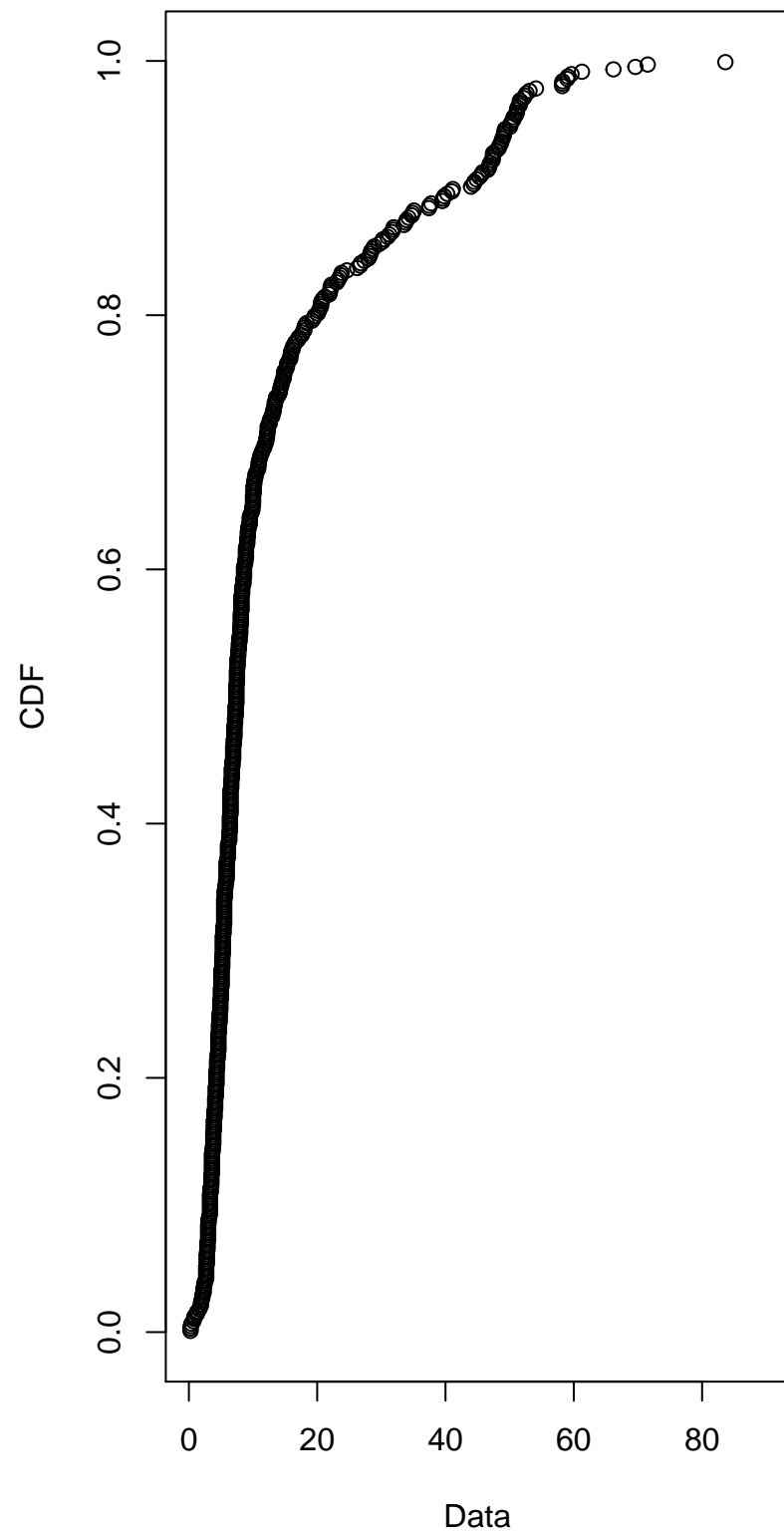
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2576	4.8130	7.4000	13.7310	14.6970	83.6340	84

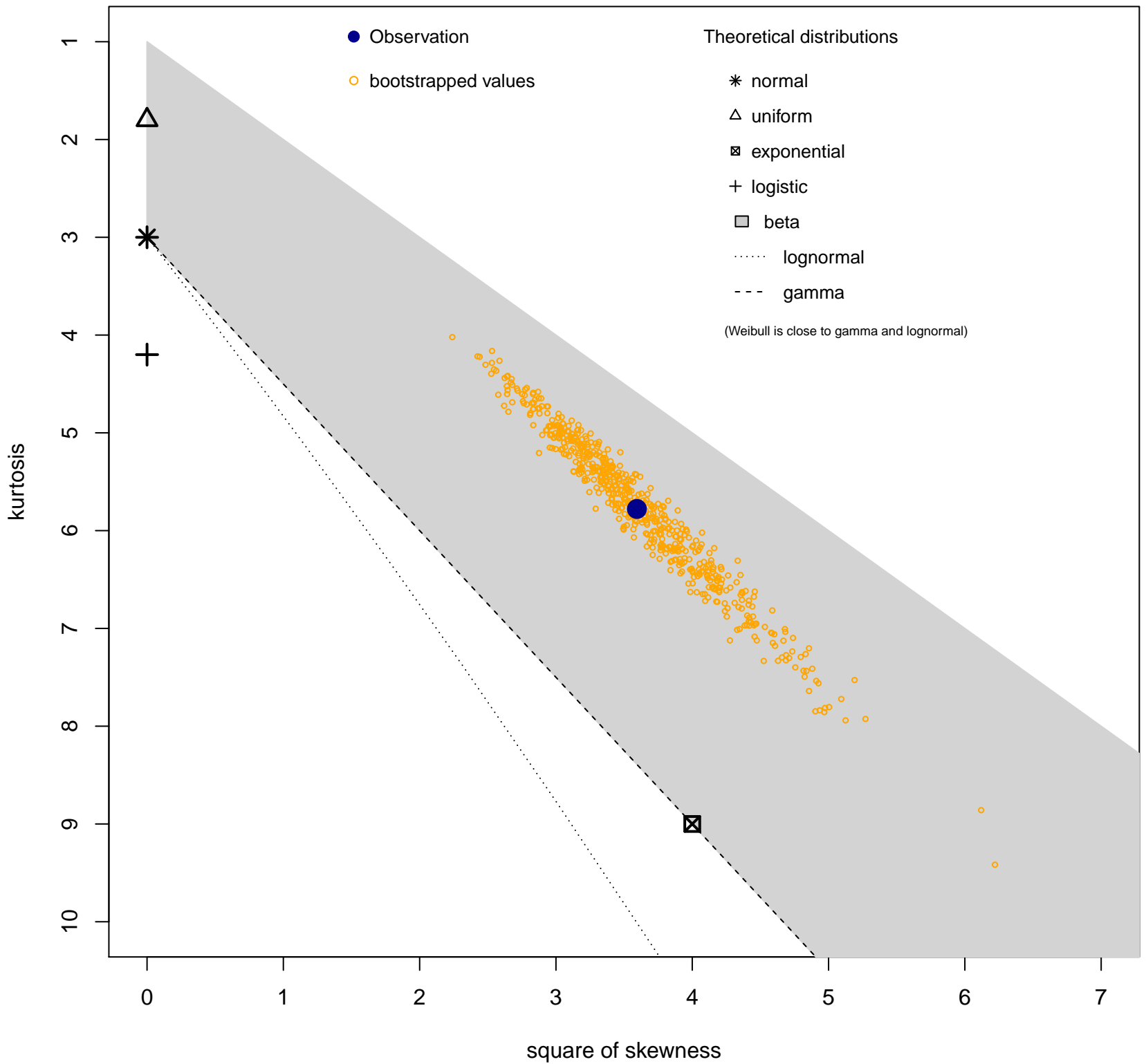
Empirical density



Cumulative distribution



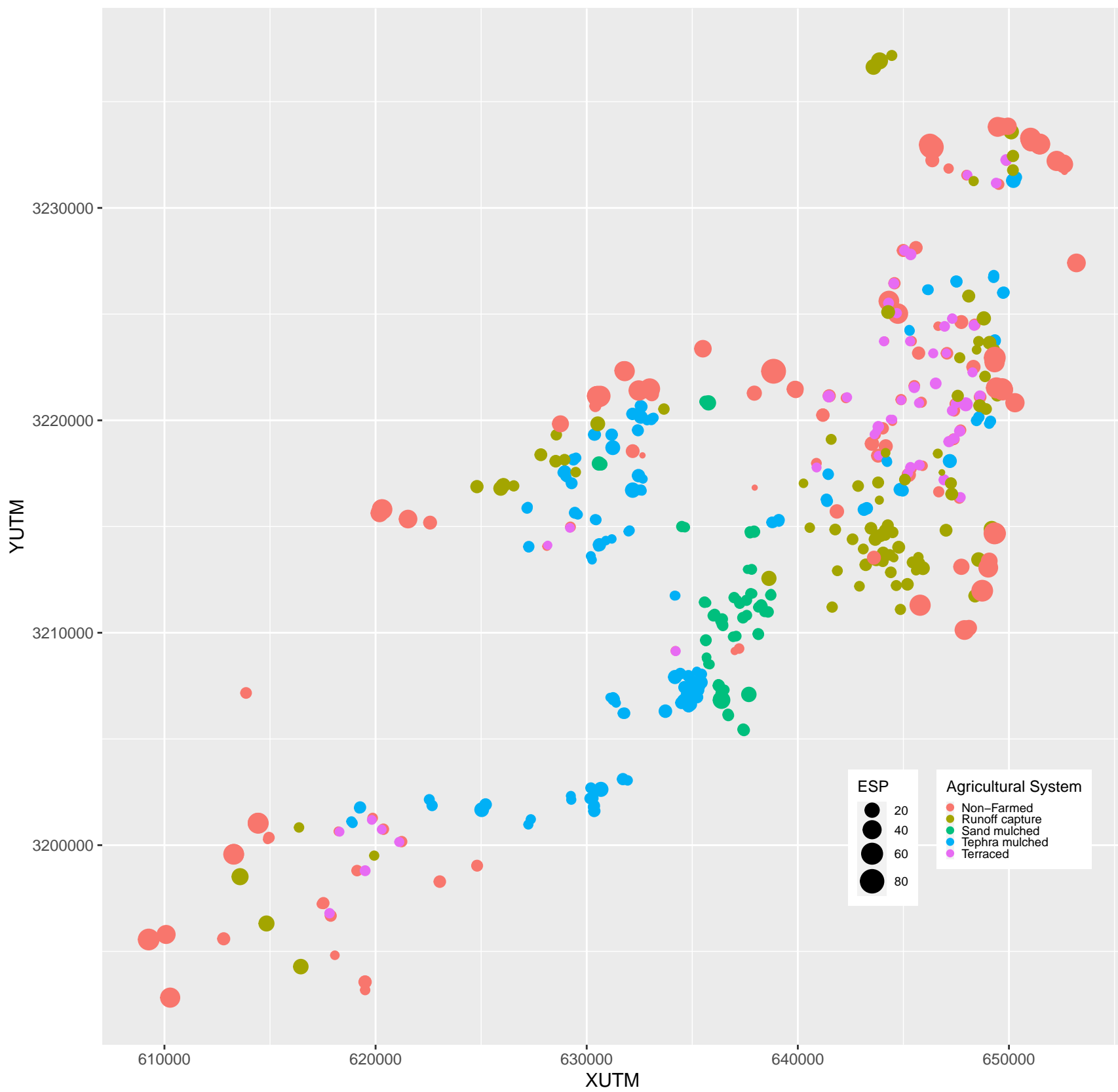
Cullen and Frey graph



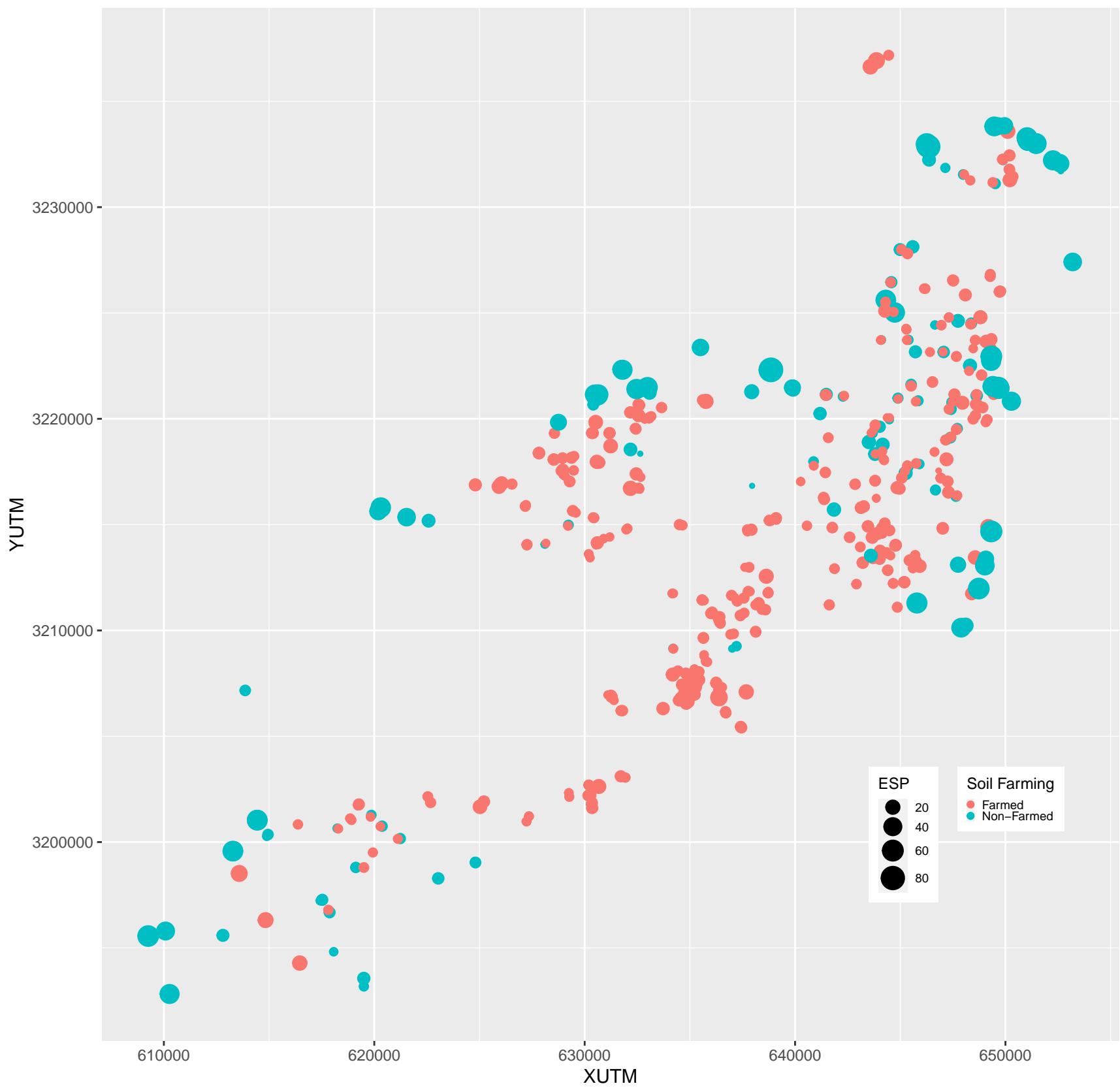
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.7059, p-value < 2.2e-16

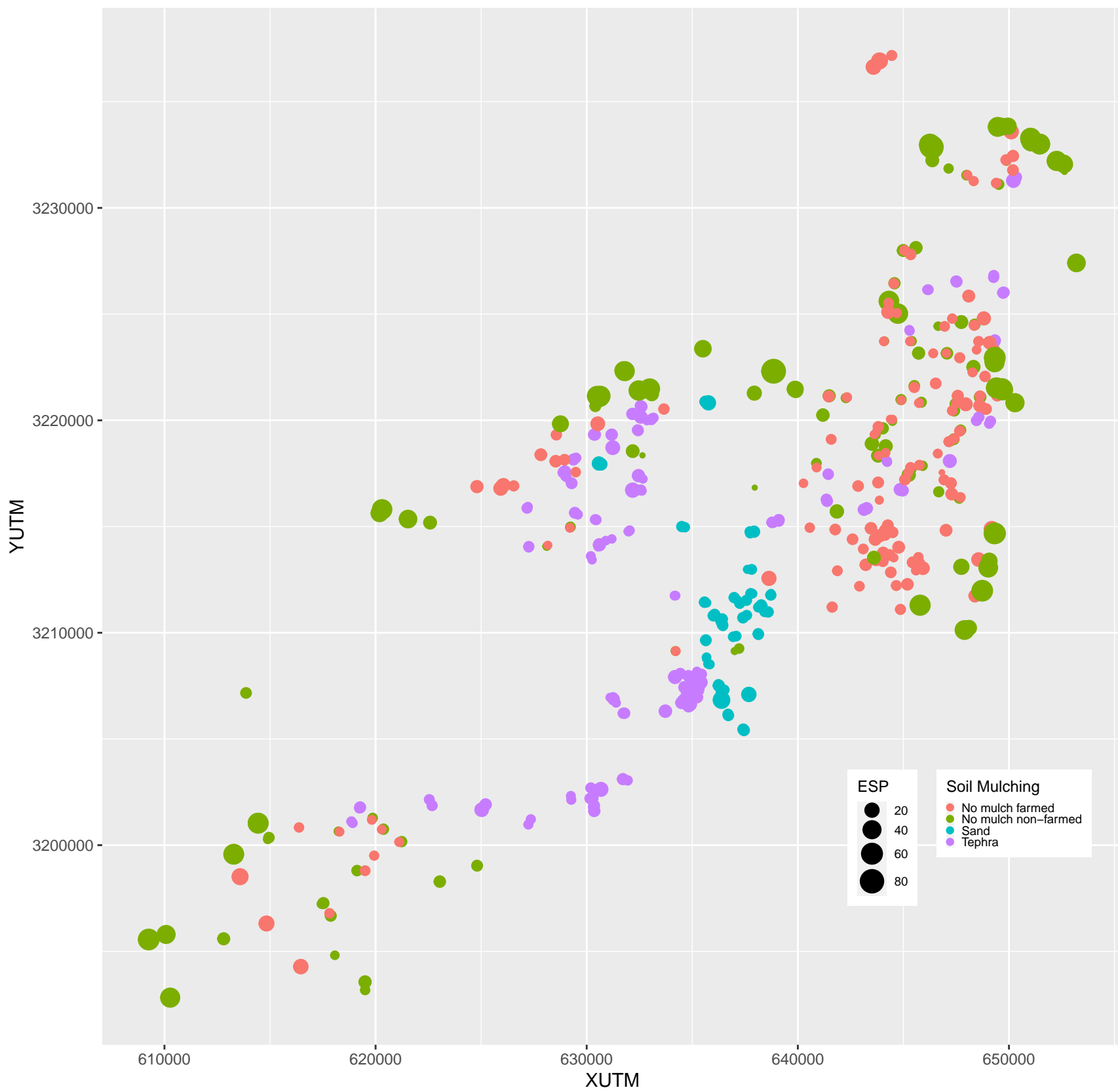
ESP according to location and Agricultural System



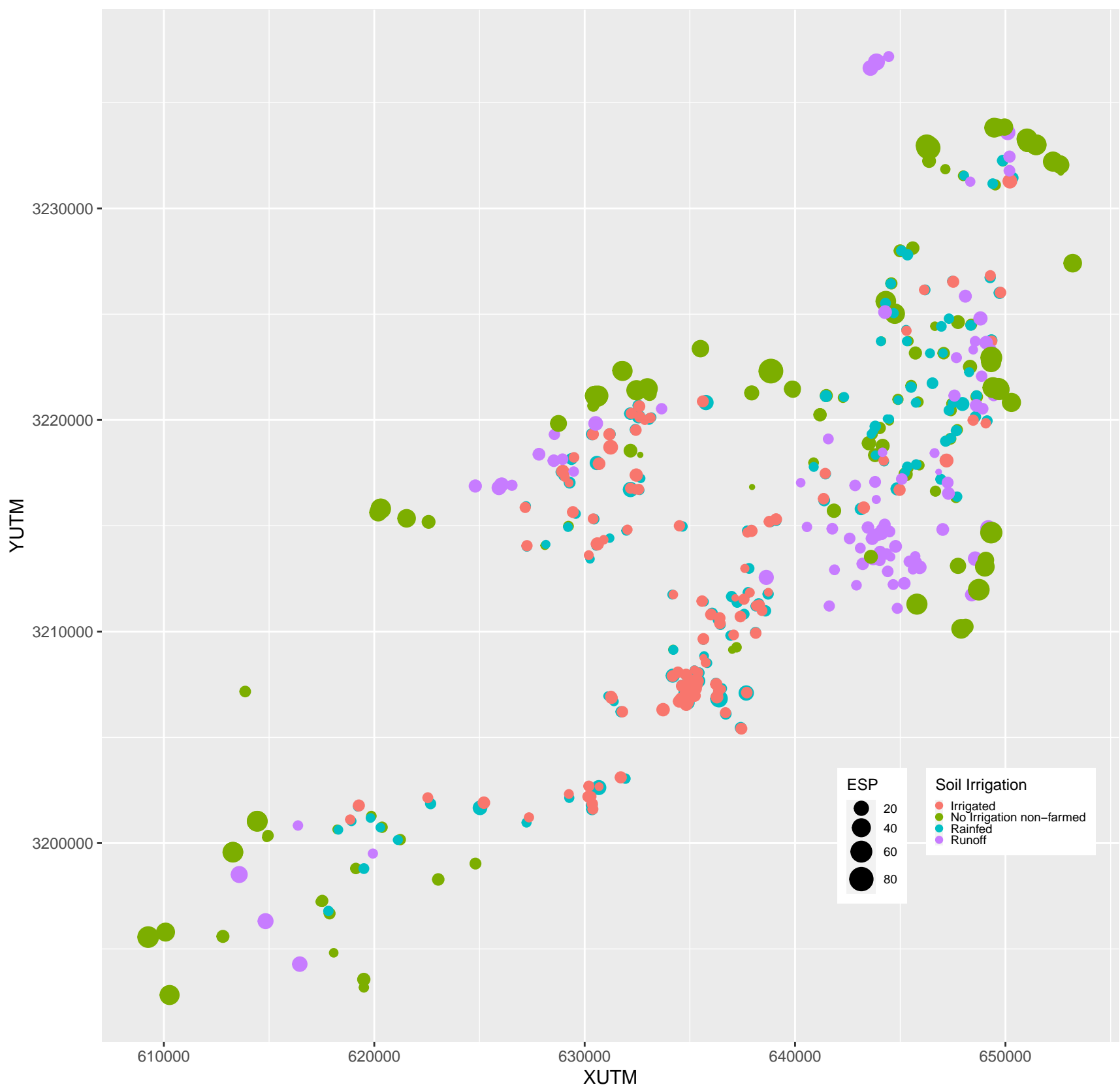
ESP according to location and Soil Farming



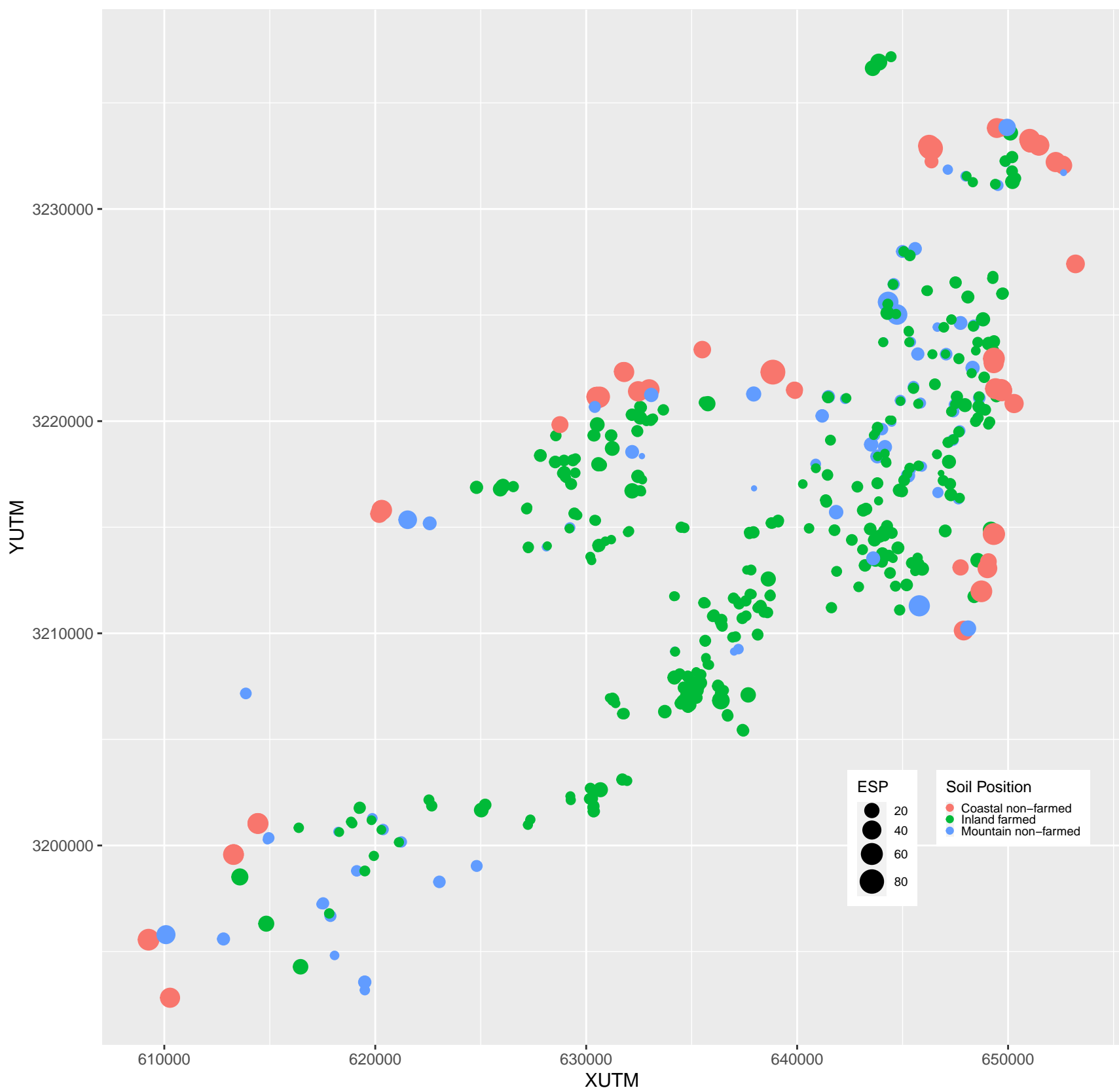
ESP according to location and Soil Mulching



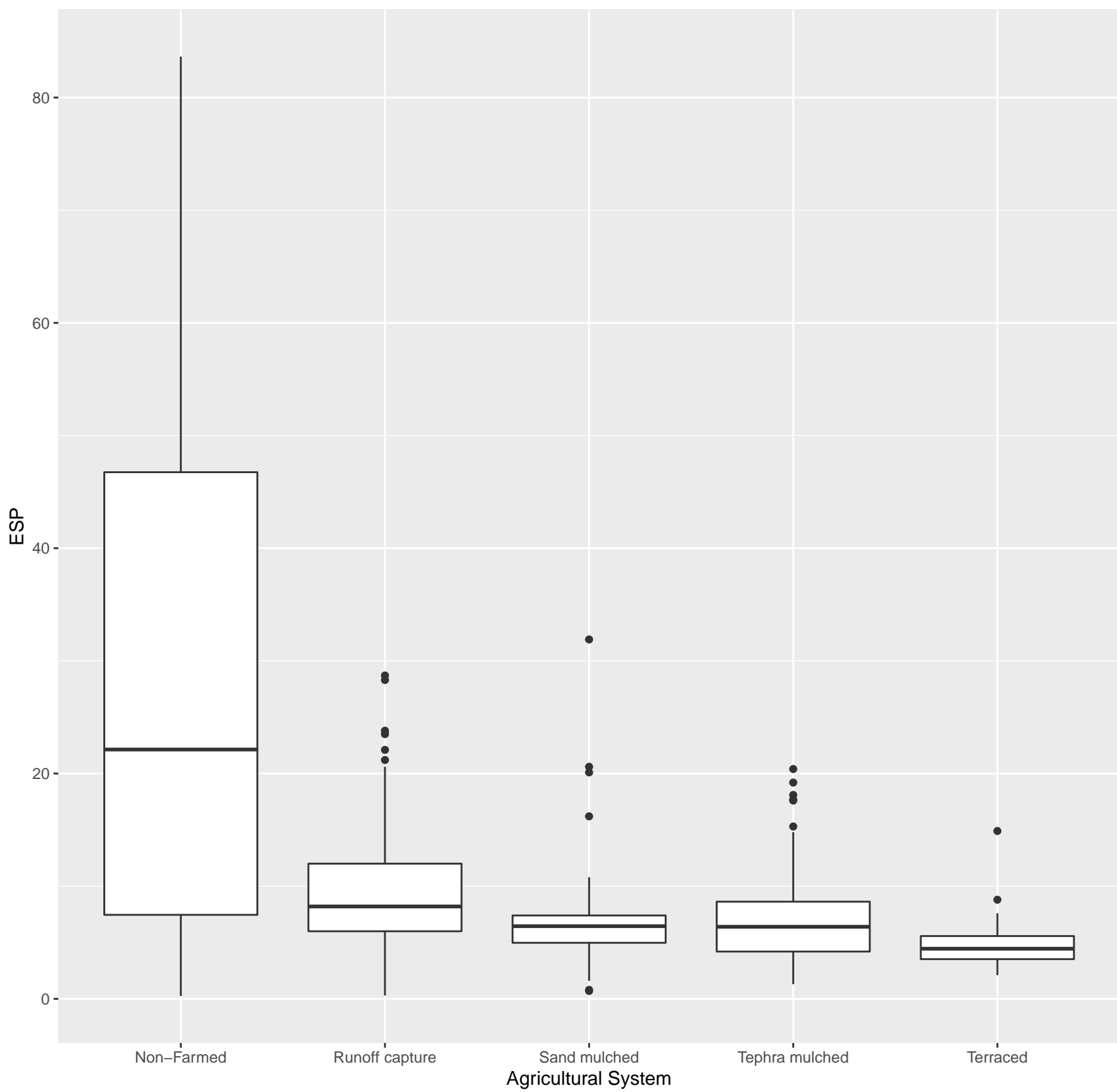
ESP according to location and Soil Irrigation



ESP according to location and Soil Position



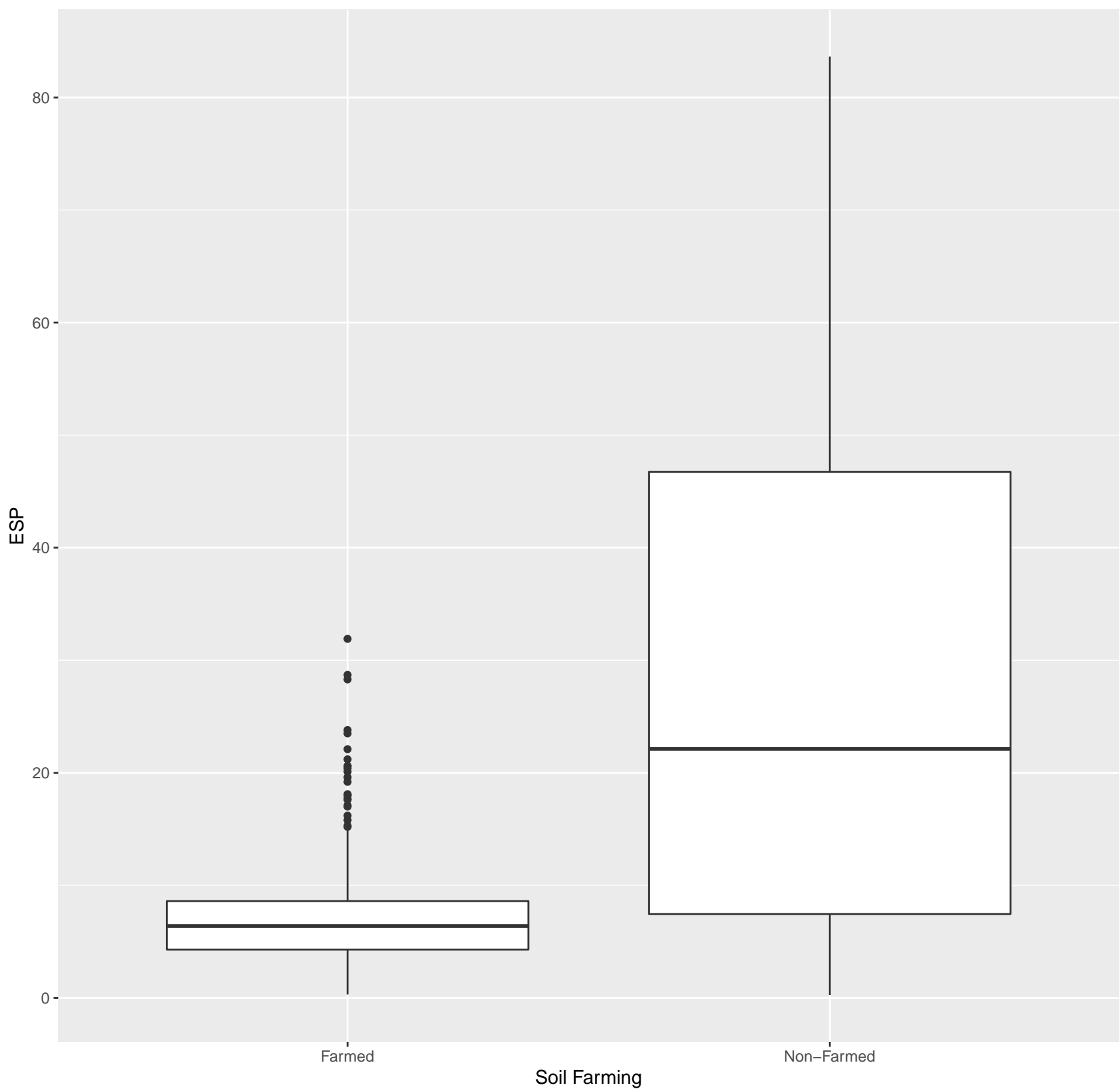
ESP to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ESP	Non-Farmed	Runoff capture	178	83	10664.0	7.97e-09	4.78e-08	****
2	ESP	Non-Farmed	Sand mulched	178	60	8504.5	6.87e-12	5.50e-11	****
3	ESP	Non-Farmed	Tephra mulched	178	160	22548.5	2.00e-20	2.00e-19	****
4	ESP	Non-Farmed	Terraced	178	50	7718.0	2.21e-15	1.99e-14	****
5	ESP	Runoff capture	Sand mulched	83	60	3415.0	1.55e-04	4.65e-04	***
6	ESP	Runoff capture	Tephra mulched	83	160	8723.0	6.12e-05	2.45e-04	***
7	ESP	Runoff capture	Terraced	83	50	3449.0	1.76e-10	1.23e-09	****
8	ESP	Sand mulched	Tephra mulched	60	160	4595.0	6.27e-01	6.27e-01	ns
9	ESP	Sand mulched	Terraced	60	50	2115.0	2.24e-04	4.65e-04	***
10	ESP	Tephra mulched	Terraced	160	50	5600.0	2.00e-05	1.00e-04	****

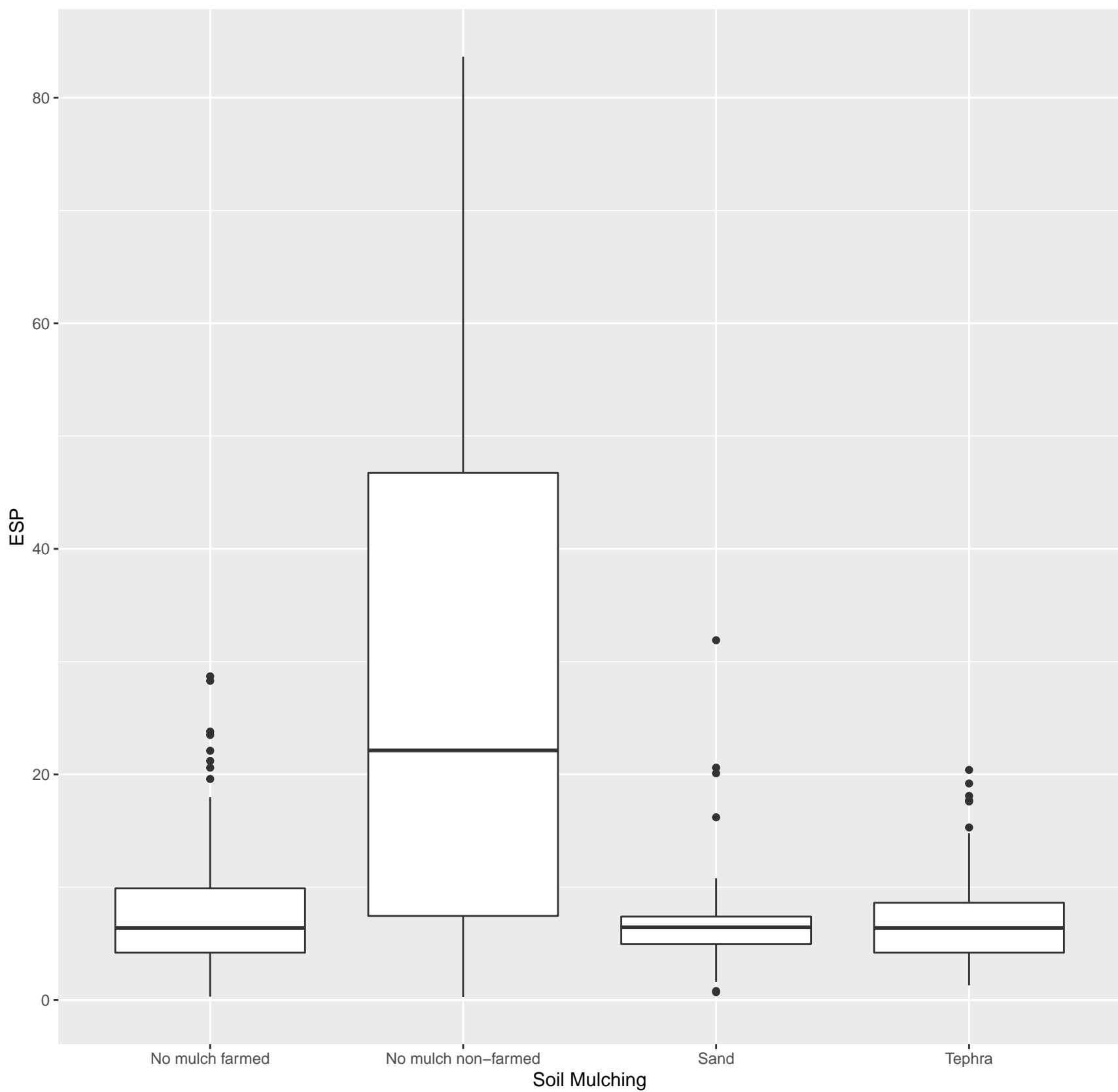
ESP to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	ESP	Farmed	Non-Farmed	353	178	13399	3.61e-27

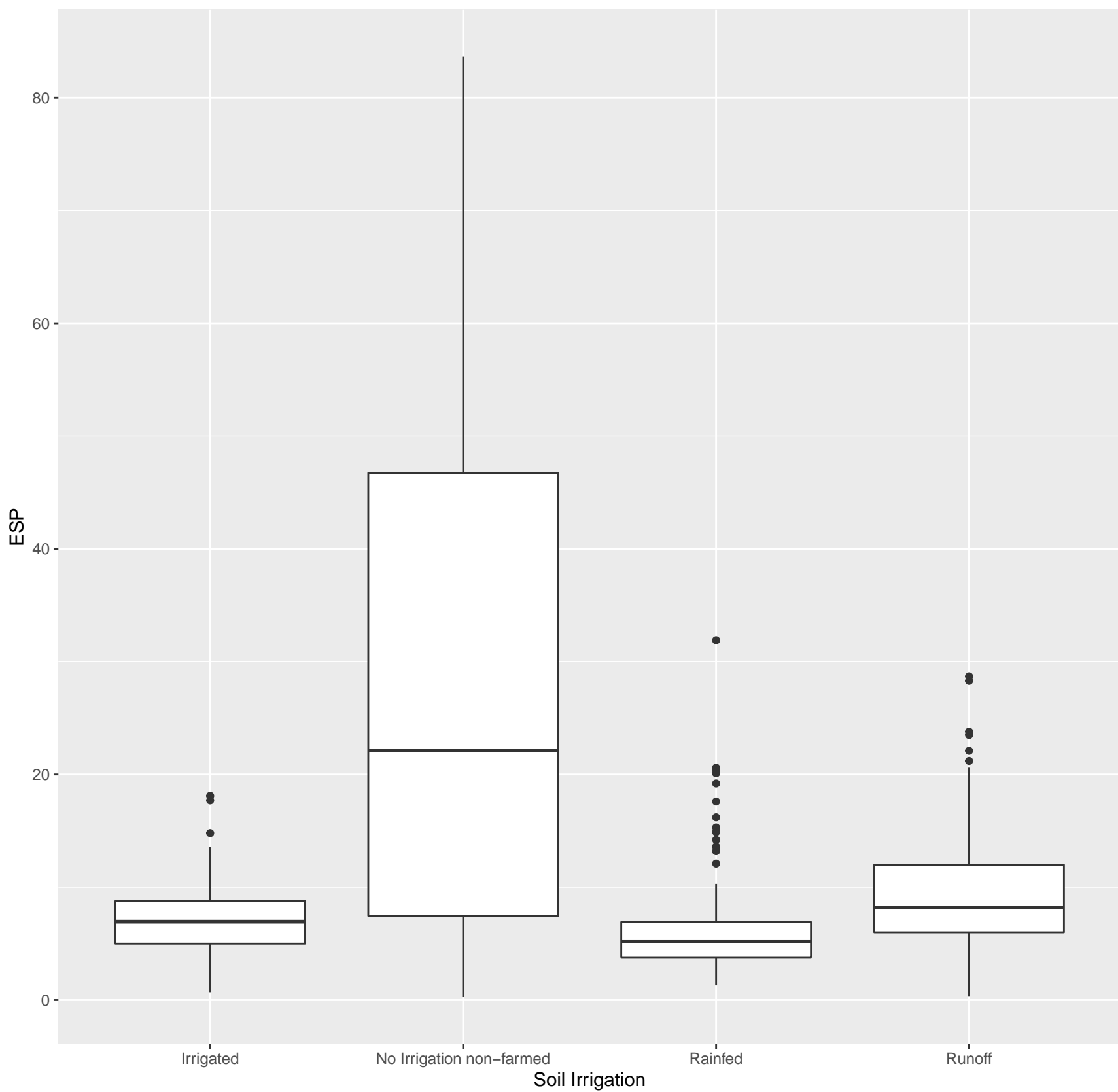
ESP to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ESP	No mulch farmed	No mulch non-farmed	133	178	5292.0	7.31e−17	3.66e−16	****
2	ESP	No mulch farmed	Sand	133	60	4300.0	3.89e−01	1.00e+00	ns
3	ESP	No mulch farmed	Tephra	133	160	11123.0	5.04e−01	1.00e+00	ns
4	ESP	No mulch non-farmed	Sand	178	60	8504.5	6.87e−12	2.75e−11	****
5	ESP	No mulch non-farmed	Tephra	178	160	22548.5	2.00e−20	1.20e−19	****
6	ESP	Sand	Tephra	60	160	4595.0	6.27e−01	1.00e+00	ns

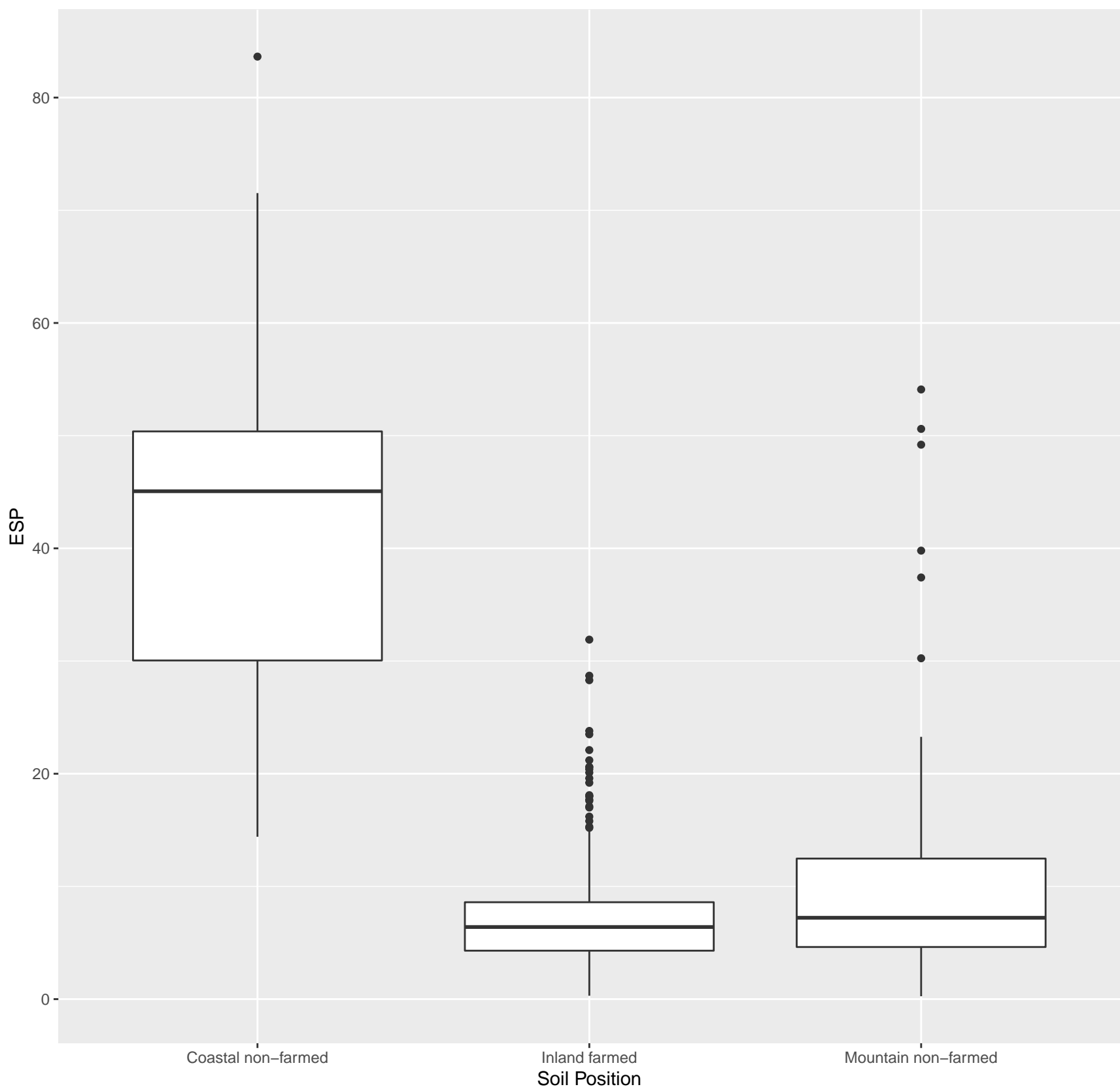
ESP to Soil Irrigation



Wilcoxon test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ESP	Irrigated	No Irrigation non-farmed	110	178	4300.0	1.30e-15	6.50e-15	****
2	ESP	Irrigated	Rainfed	110	160	11238.5	1.10e-04	2.20e-04	***
3	ESP	Irrigated	Runoff	110	83	3352.5	2.00e-03	2.00e-03	**
4	ESP	No Irrigation non-farmed	Rainfed	178	160	23491.0	6.12e-25	3.67e-24	****
5	ESP	No Irrigation non-farmed	Runoff	178	83	10664.0	7.97e-09	2.39e-08	****
6	ESP	Rainfed	Runoff	160	83	3470.5	1.07e-09	4.28e-09	****

ESP to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ESP	Coastal non-farmed	Inland farmed	92	353	32308	1.88e-48	5.64e-48	****
2	ESP	Coastal non-farmed	Mountain non-farmed	92	86	7564	8.55e-26	1.71e-25	****
3	ESP	Inland farmed	Mountain non-farmed	353	86	13231	6.50e-02	6.50e-02	ns