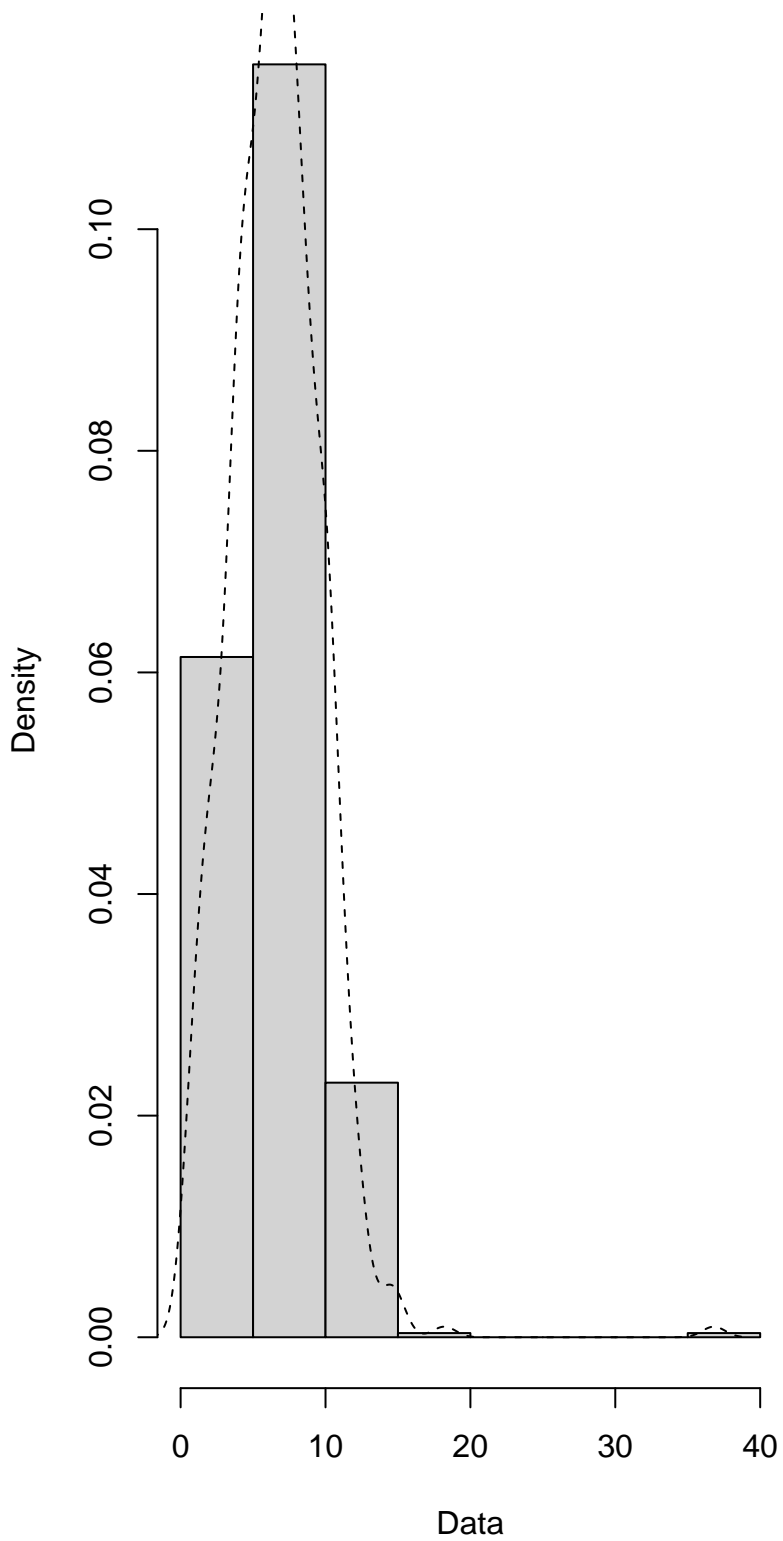


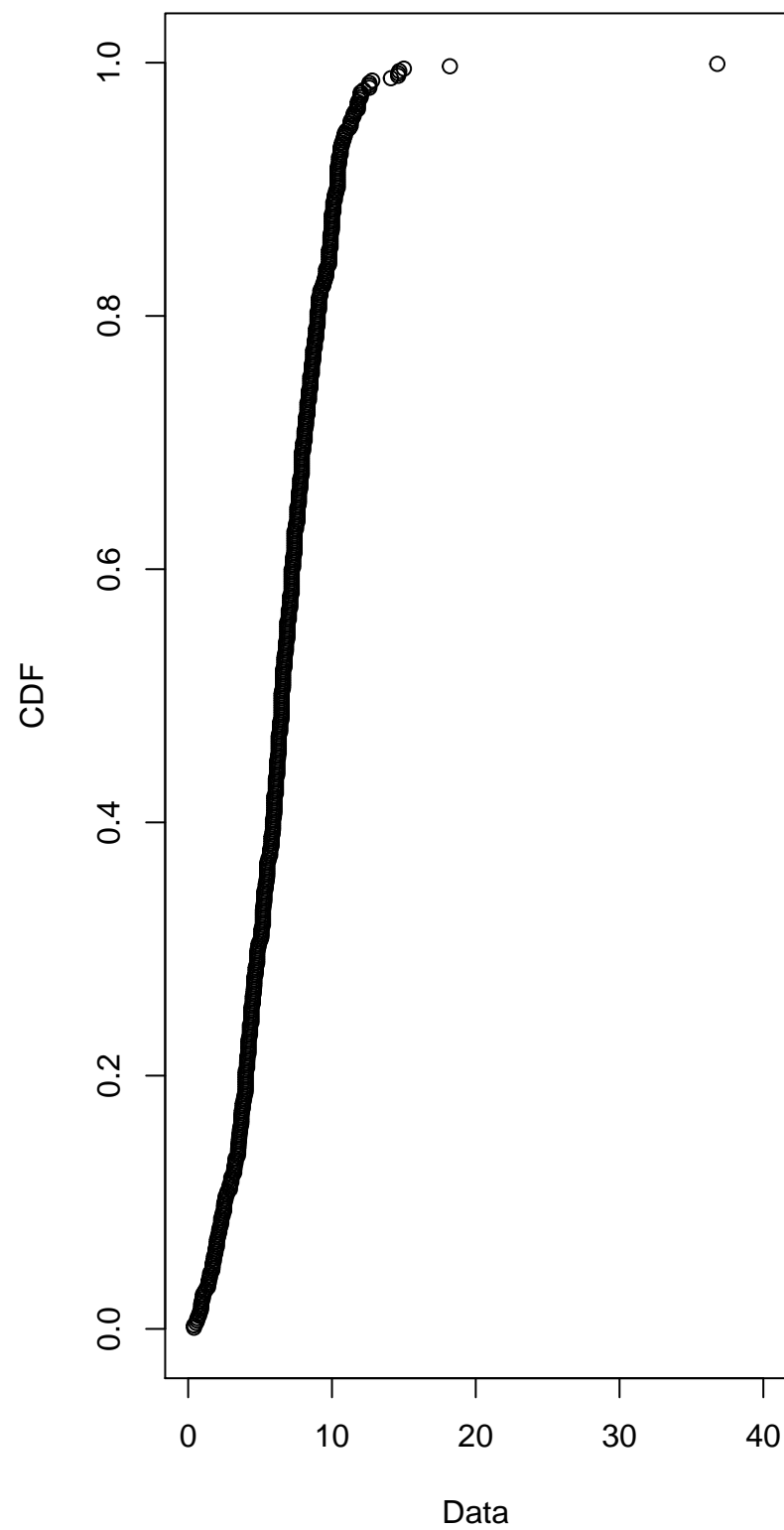
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4057	4.4000	6.5000	6.6013	8.5000	36.8000	84

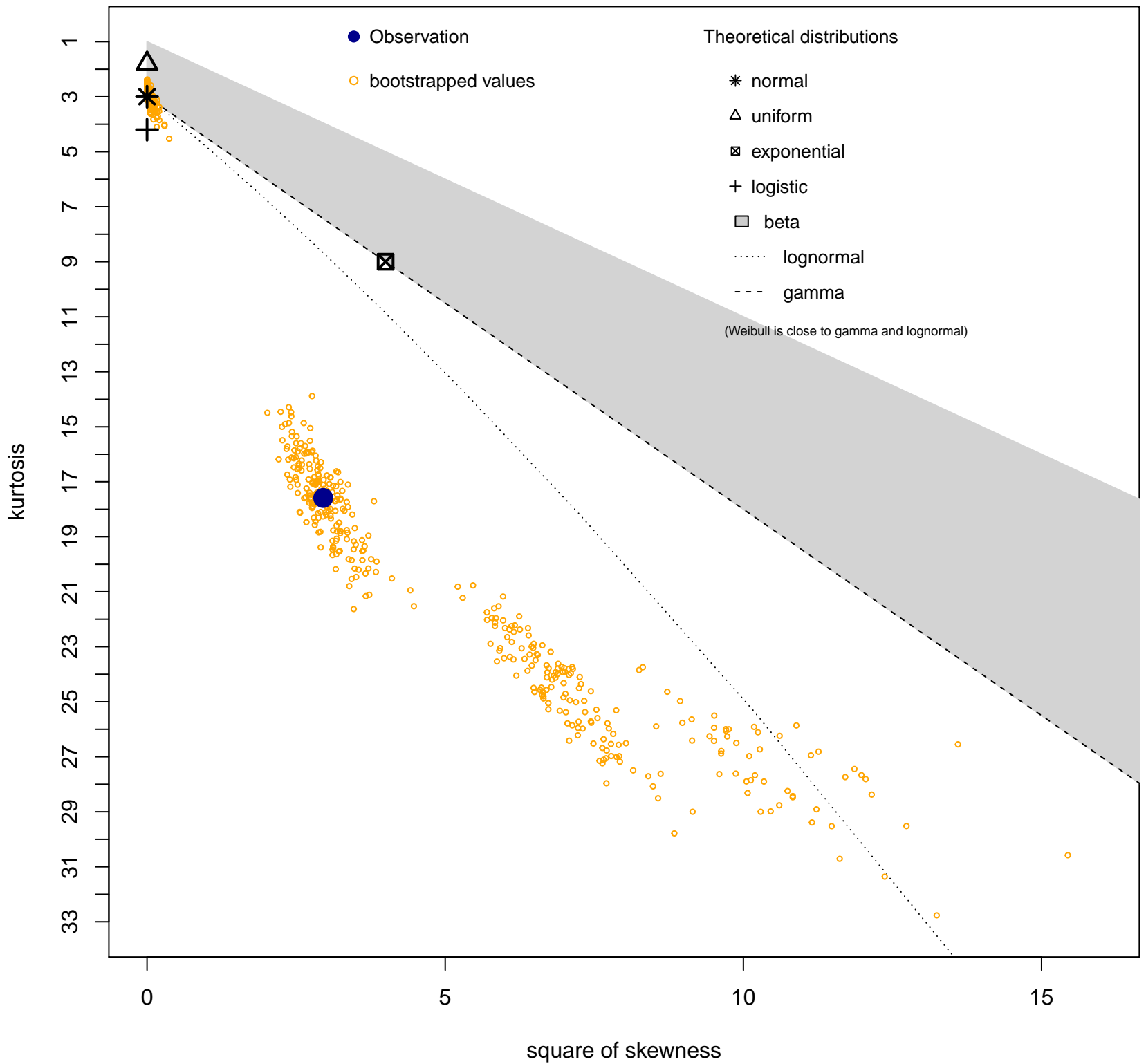
Empirical density



Cumulative distribution



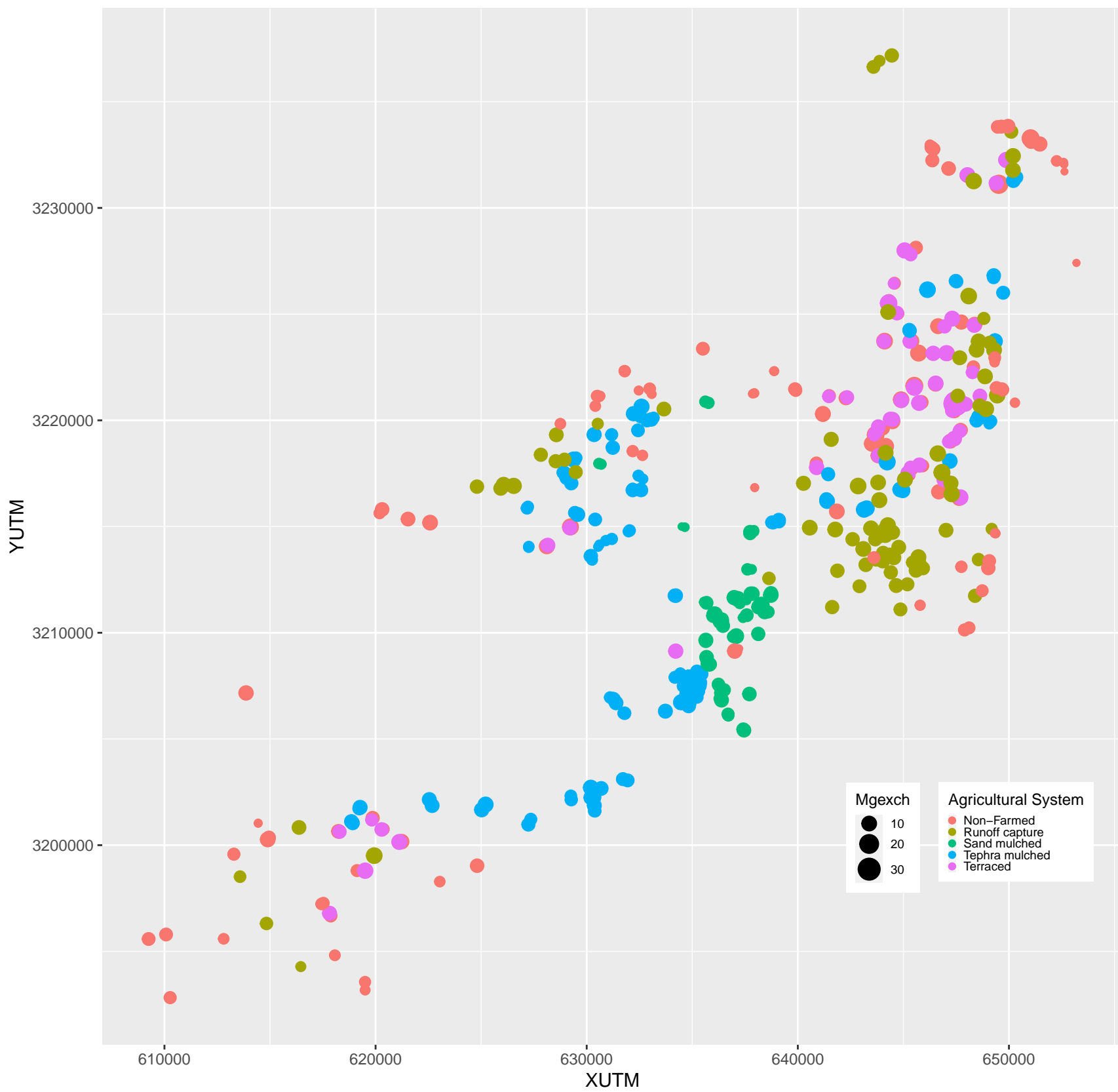
Cullen and Frey graph



Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.91246, p-value < 2.2e-16

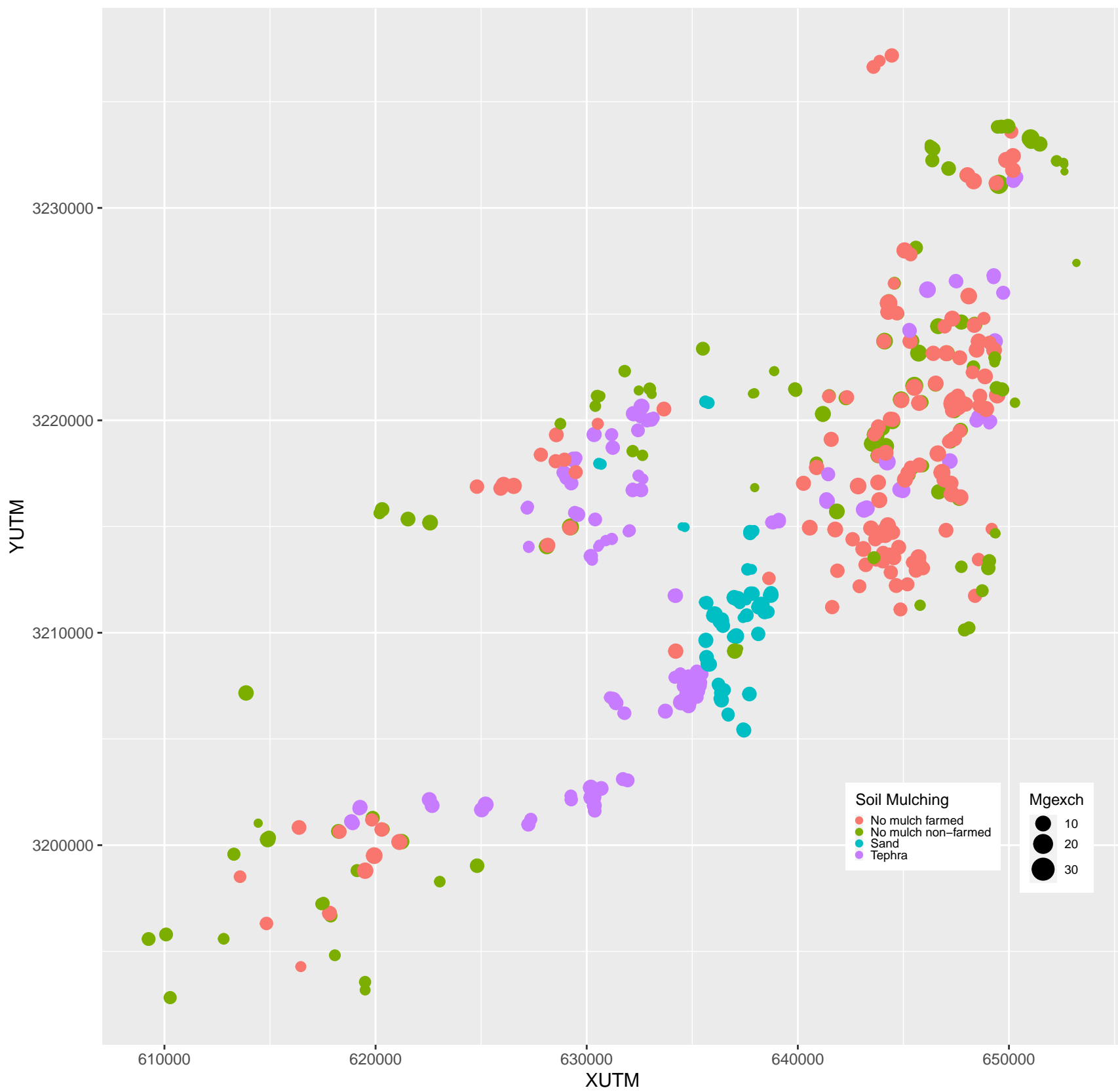
Mgexch according to location and Agricultural System



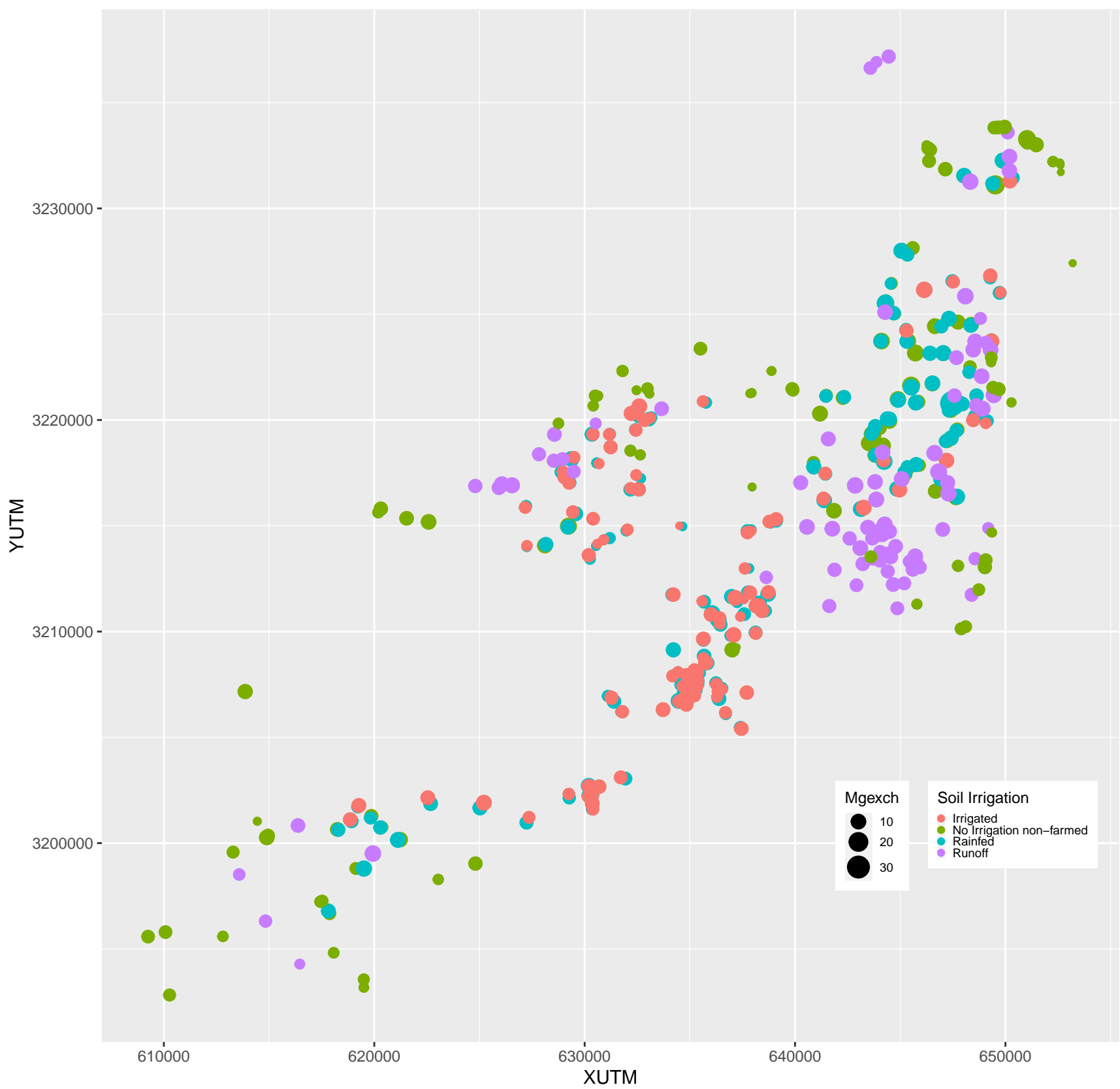
Mgexch according to location and Soil Farming



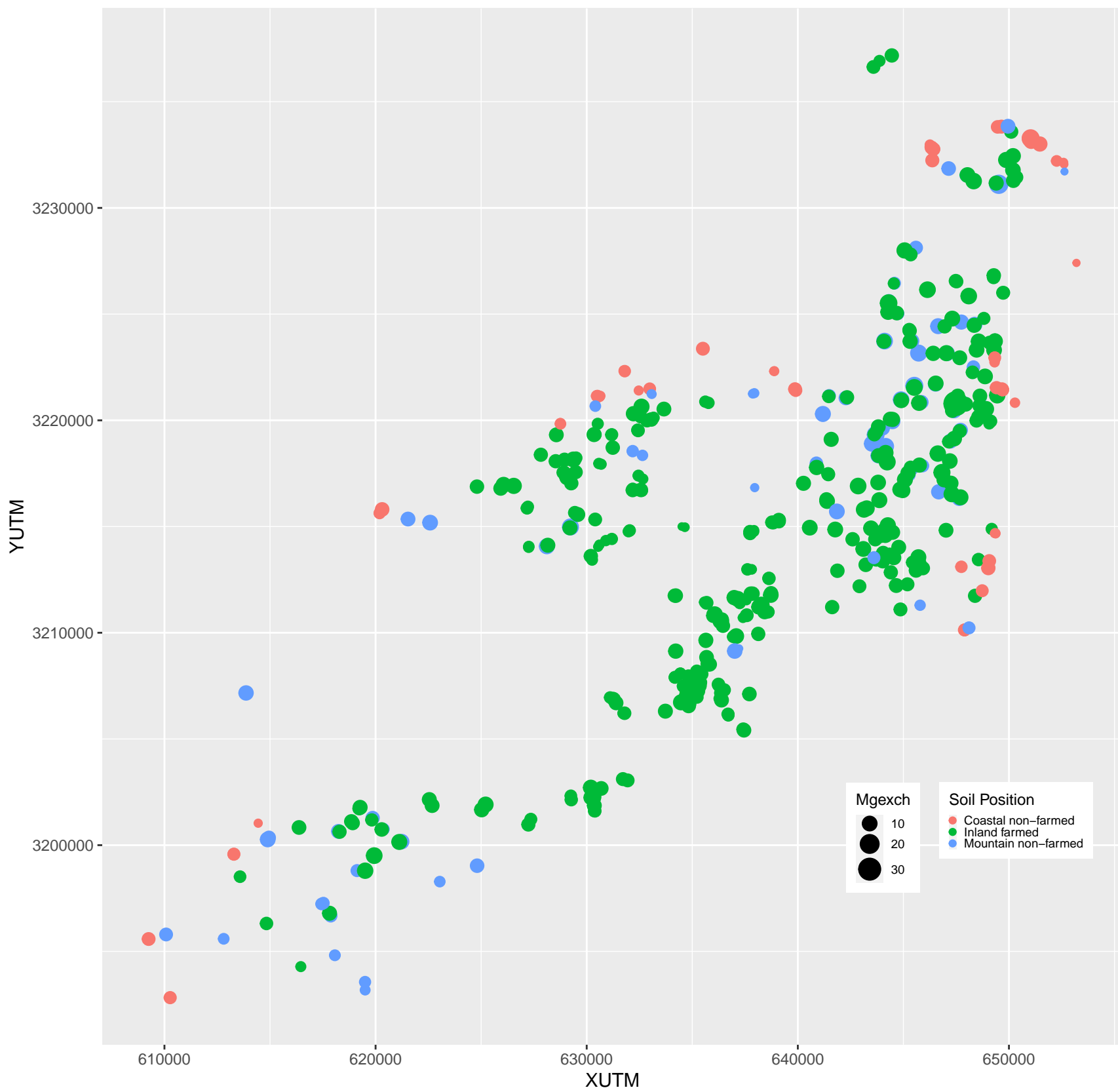
Mgexch according to location and Soil Mulching



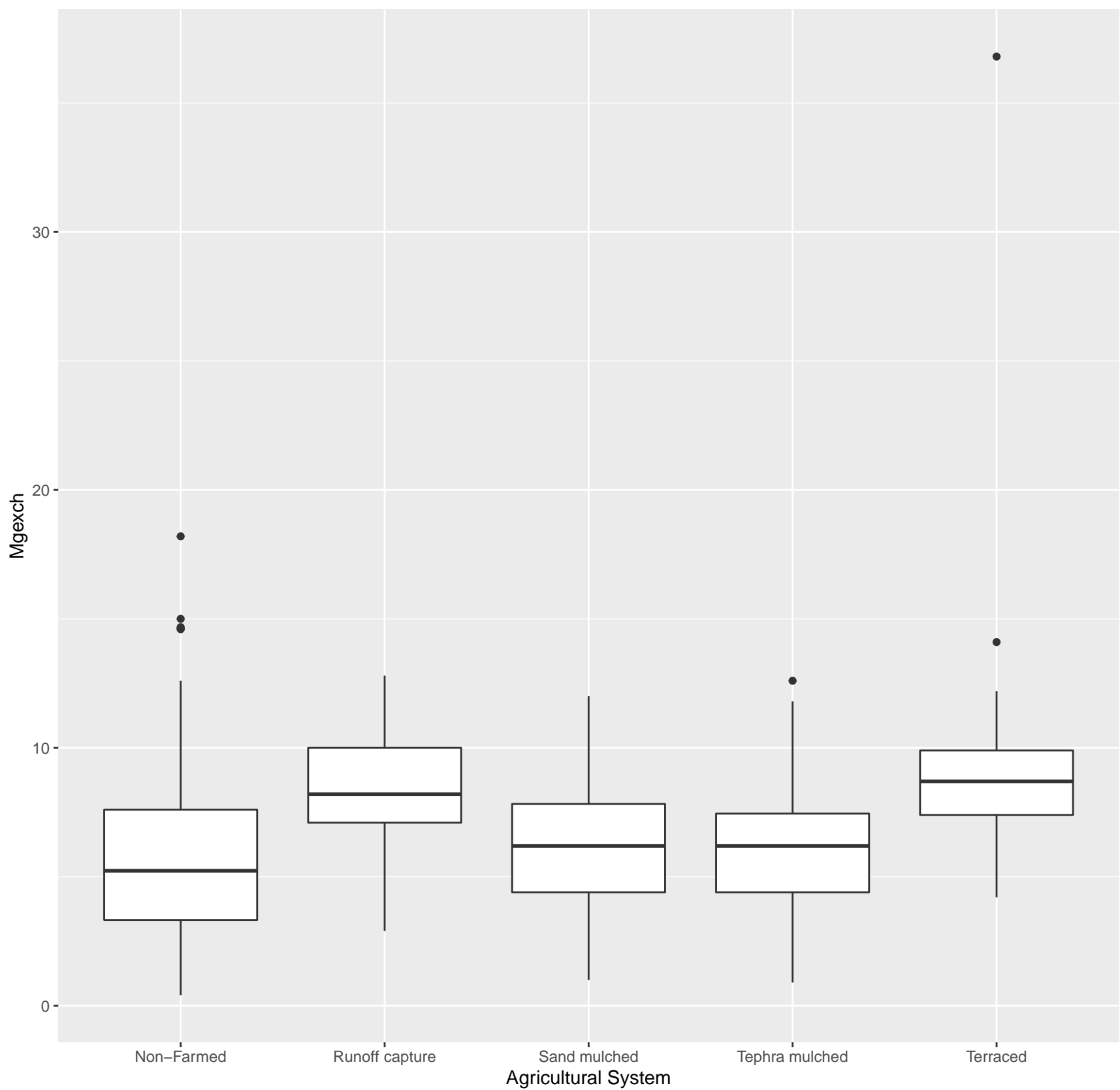
Mgexch according to location and Soil Irrigation



Mgexch according to location and Soil Position



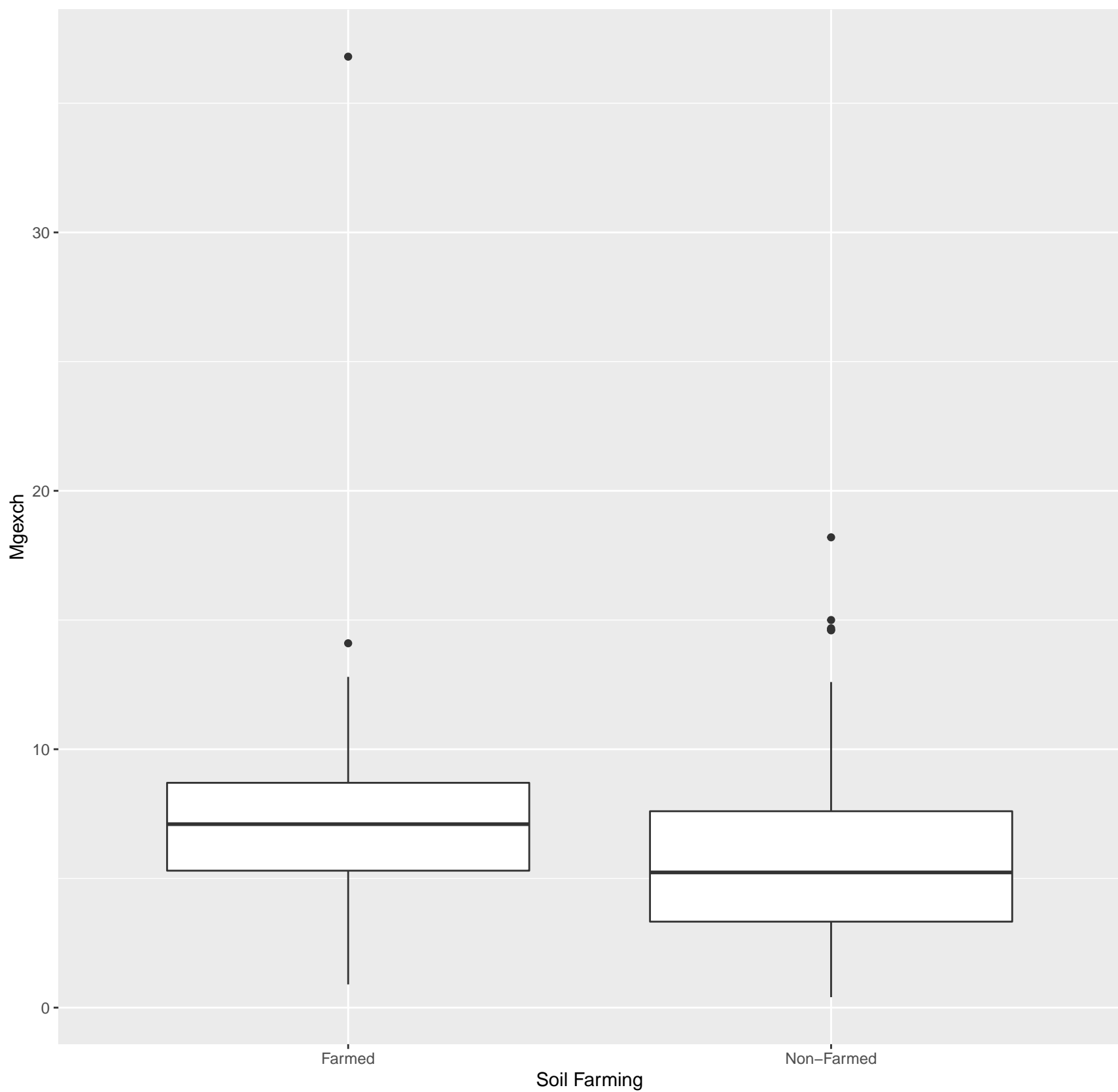
Mgexch to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Mgexch	Non-Farmed	Runoff capture	178	83	3281.5	4.90e-13	4.90e-12	****
2	Mgexch	Non-Farmed	Sand mulched	178	60	4471.5	6.00e-02	1.79e-01	ns
3	Mgexch	Non-Farmed	Tephra mulched	178	160	11735.5	5.00e-03	2.10e-02	*
4	Mgexch	Non-Farmed	Terraced	178	50	1772.0	8.19e-11	5.73e-10	****
5	Mgexch	Runoff capture	Sand mulched	83	60	3719.5	4.95e-07	2.48e-06	****
6	Mgexch	Runoff capture	Tephra mulched	83	160	10216.5	5.87e-12	5.28e-11	****
7	Mgexch	Runoff capture	Terraced	83	50	1893.5	4.00e-01	8.00e-01	ns
8	Mgexch	Sand mulched	Tephra mulched	60	160	4820.5	9.62e-01	9.62e-01	ns
9	Mgexch	Sand mulched	Terraced	60	50	647.5	3.13e-07	1.88e-06	****
10	Mgexch	Tephra mulched	Terraced	160	50	1542.5	5.68e-11	4.54e-10	****

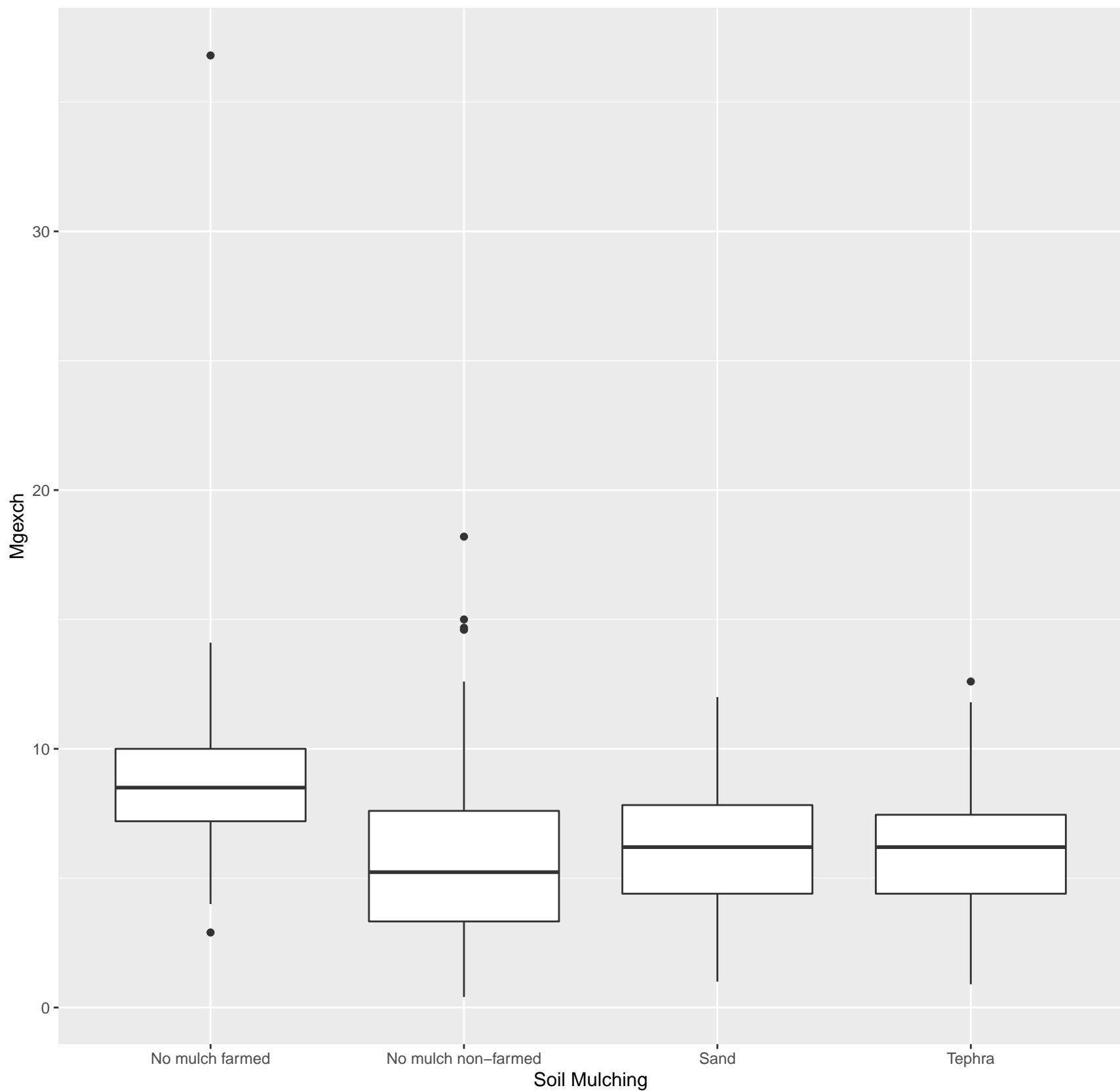
Mgexch to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	Mgexch	Farmed	Non-Farmed	353	178	41573.5	1.16e-09

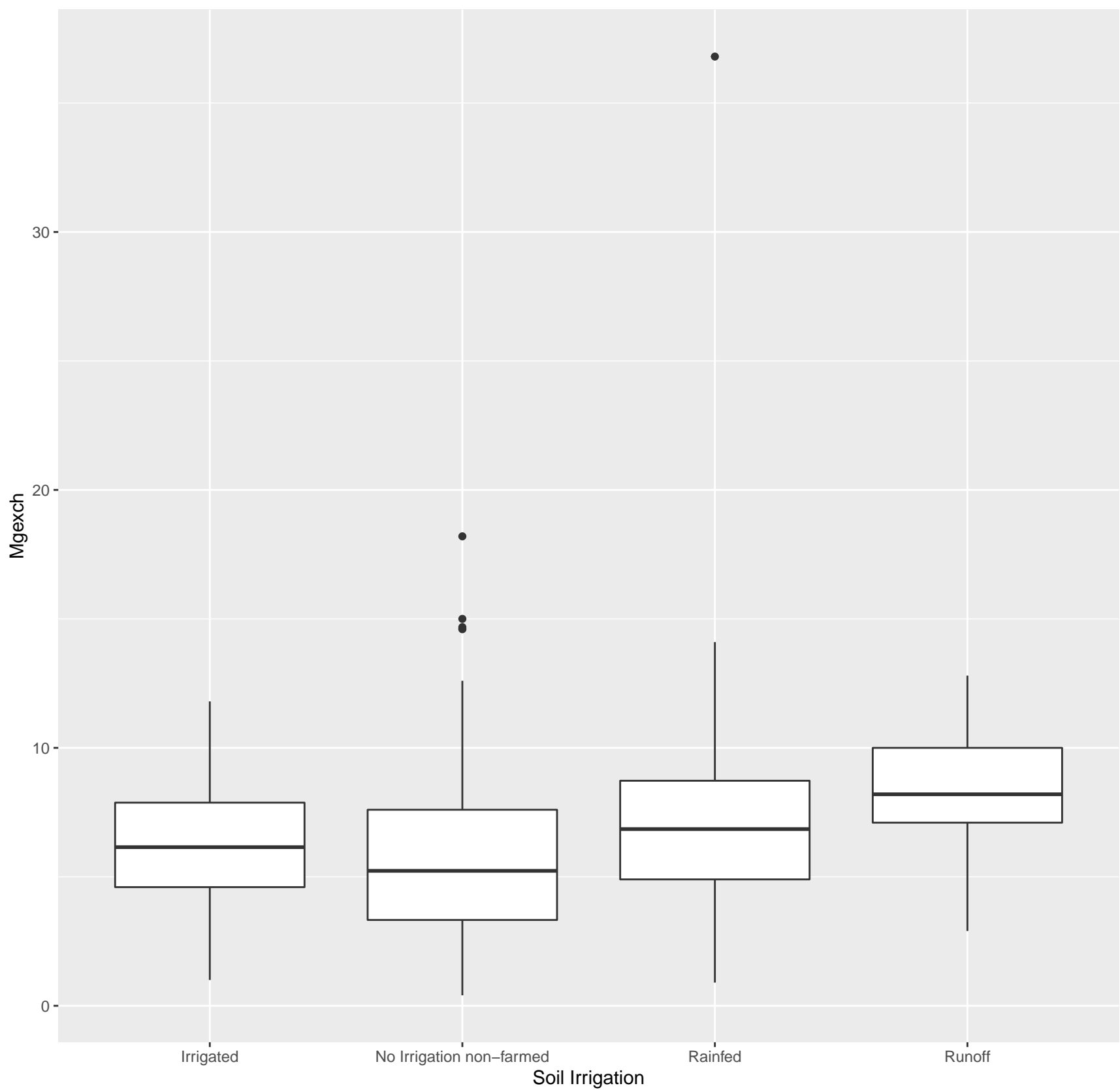
Mgexch to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Mgexch	No mulch farmed	No mulch non-farmed	133	178	18620.5	5.33e-18	3.20e-17	****
2	Mgexch	No mulch farmed	Sand	133	60	6072.0	6.78e-09	2.71e-08	****
3	Mgexch	No mulch farmed	Tephra	133	160	16674.0	6.42e-17	3.21e-16	****
4	Mgexch	No mulch non-farmed	Sand	178	60	4471.5	6.00e-02	1.20e-01	ns
5	Mgexch	No mulch non-farmed	Tephra	178	160	11735.5	5.00e-03	1.60e-02	*
6	Mgexch	Sand	Tephra	60	160	4820.5	9.62e-01	9.62e-01	ns

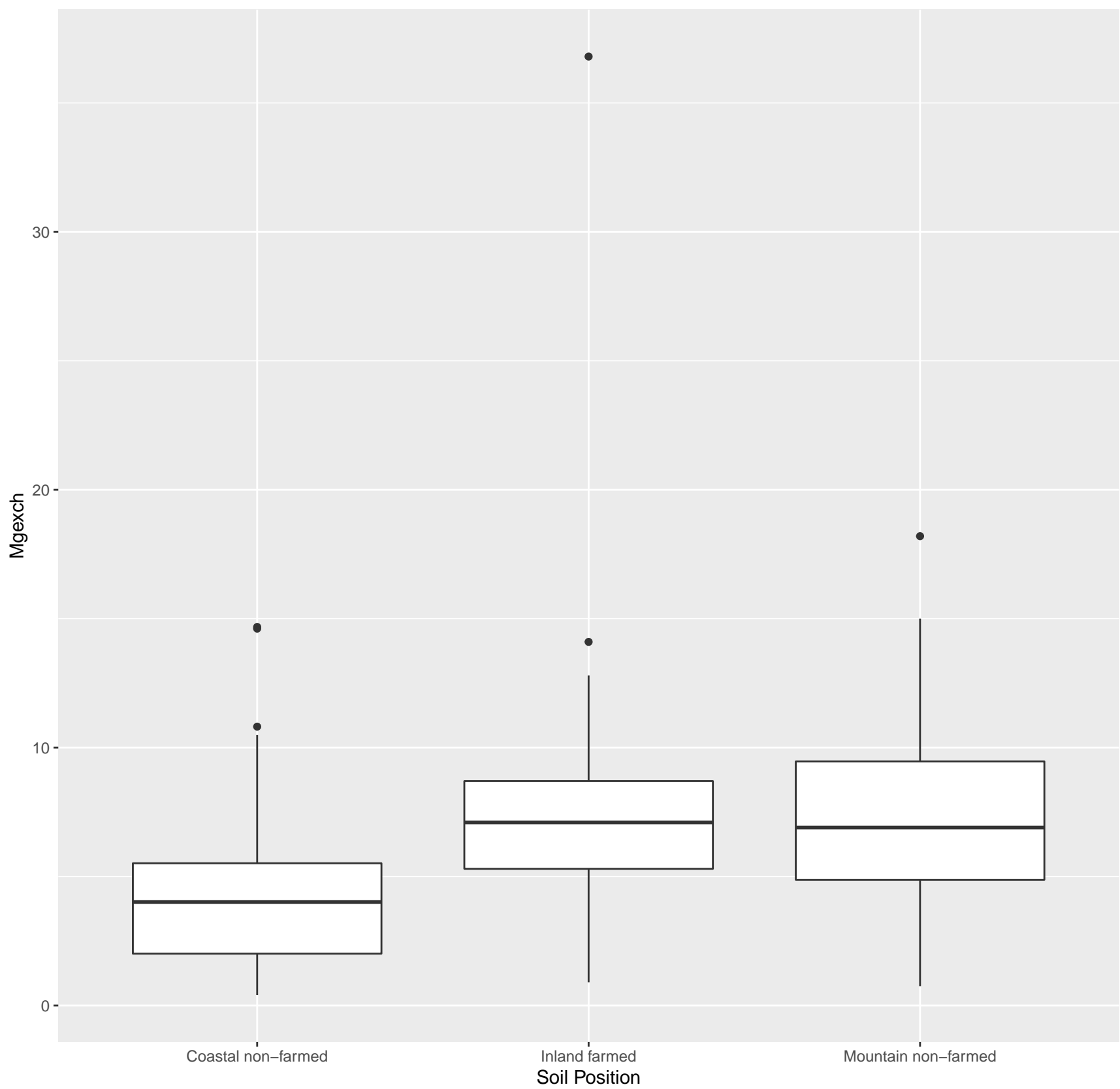
Mgexch to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.sign
1	Mgexch	Irrigated	No Irrigation non-farmed	110	178	11591.0	9.00e−03	1.70e−02	*
2	Mgexch	Irrigated	Rainfed	110	160	7367.0	2.30e−02	2.30e−02	*
3	Mgexch	Irrigated	Runoff	110	83	2206.0	8.25e−10	4.13e−09	****
4	Mgexch	No Irrigation non-farmed	Rainfed	178	160	9990.0	2.16e−06	8.64e−06	****
5	Mgexch	No Irrigation non-farmed	Runoff	178	83	3281.5	4.90e−13	2.94e−12	****
6	Mgexch	Rainfed	Runoff	160	83	4374.5	1.30e−05	3.90e−05	****

Mgexch to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Mgexch	Coastal non-farmed	Inland farmed	92	353	6331.0	1.92e-19	5.76e-19	****
2	Mgexch	Coastal non-farmed	Mountain non-farmed	92	86	1919.0	3.07e-09	6.14e-09	****
3	Mgexch	Inland farmed	Mountain non-farmed	353	86	15428.5	8.13e-01	8.13e-01	ns