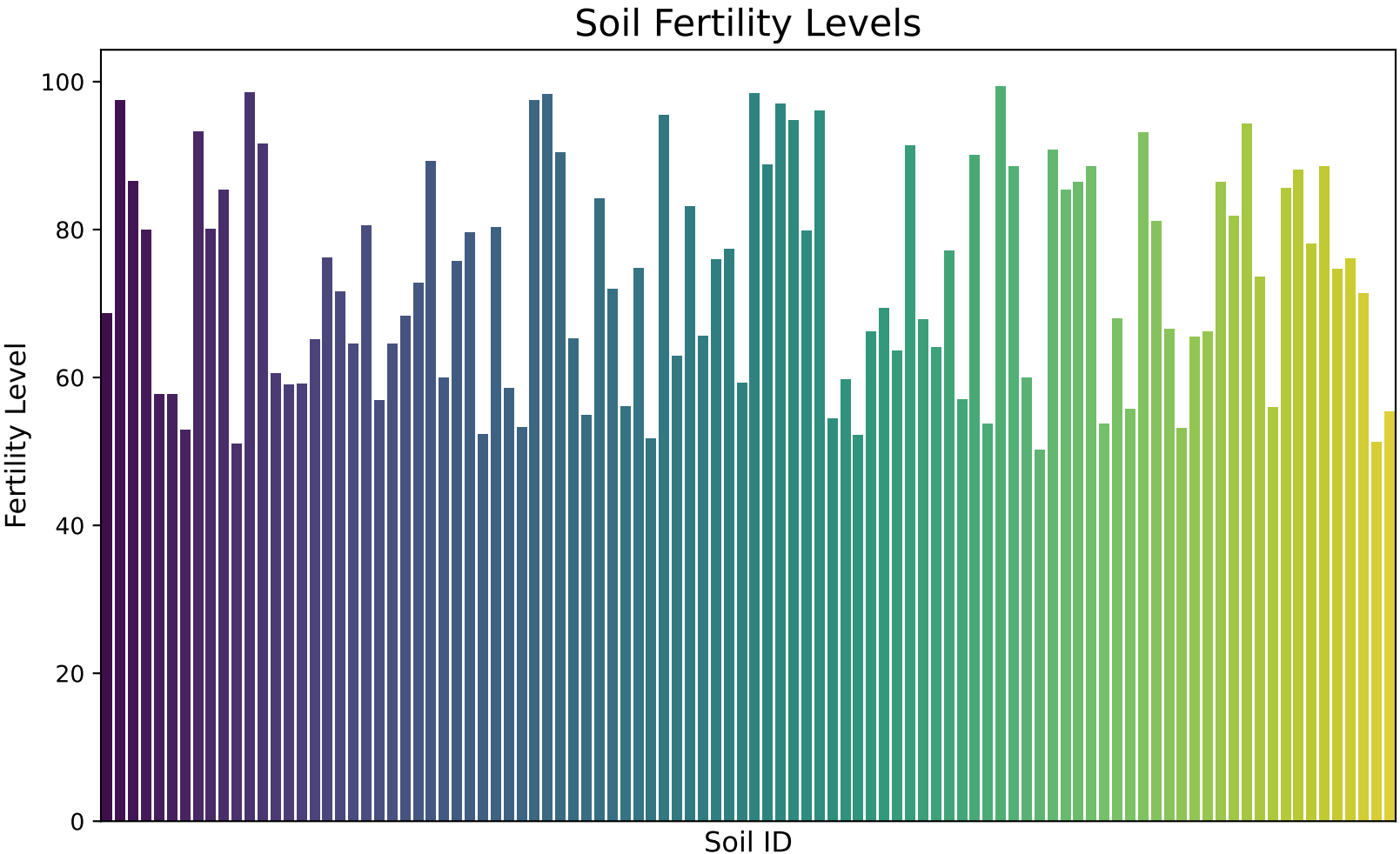
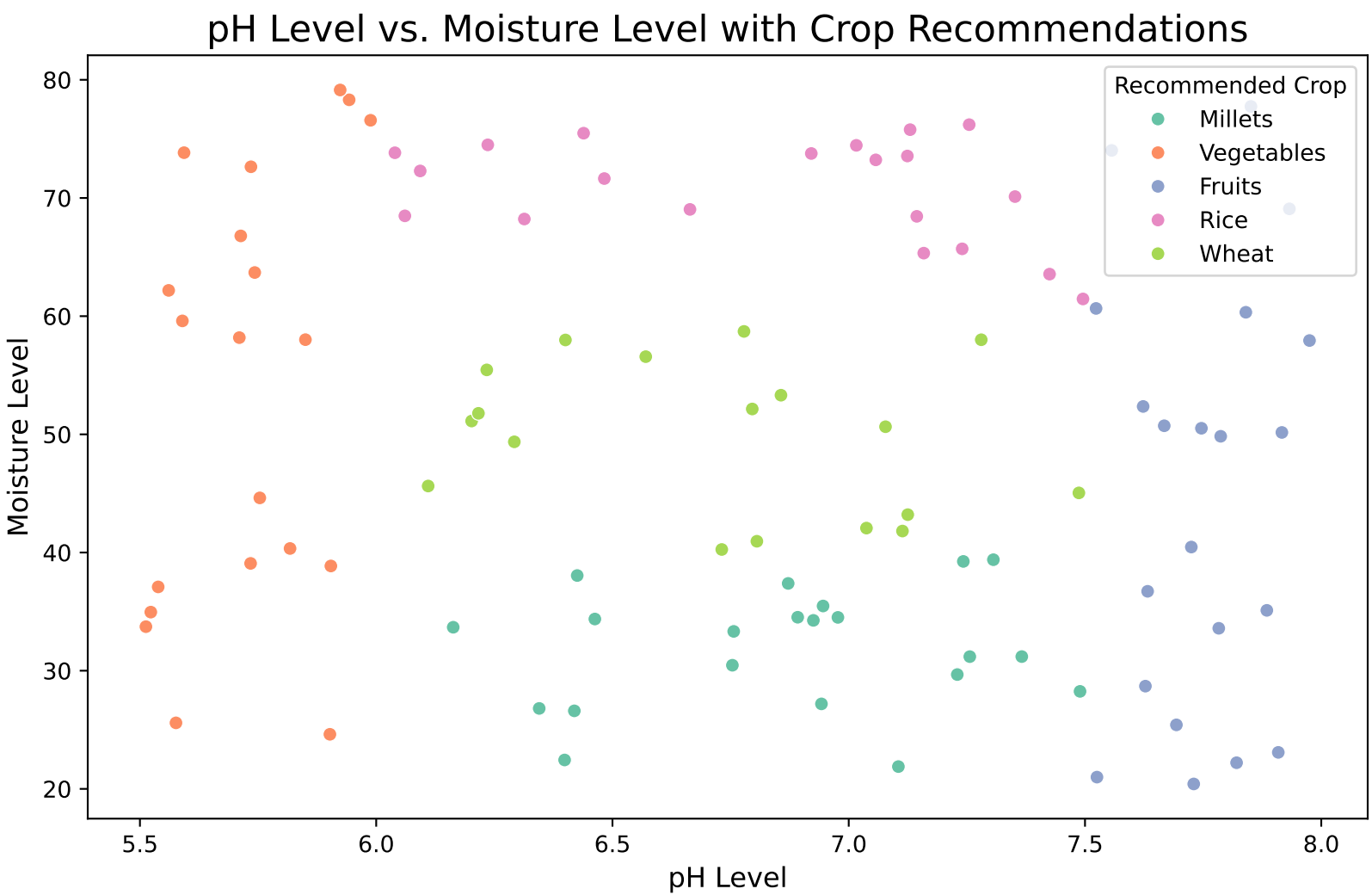
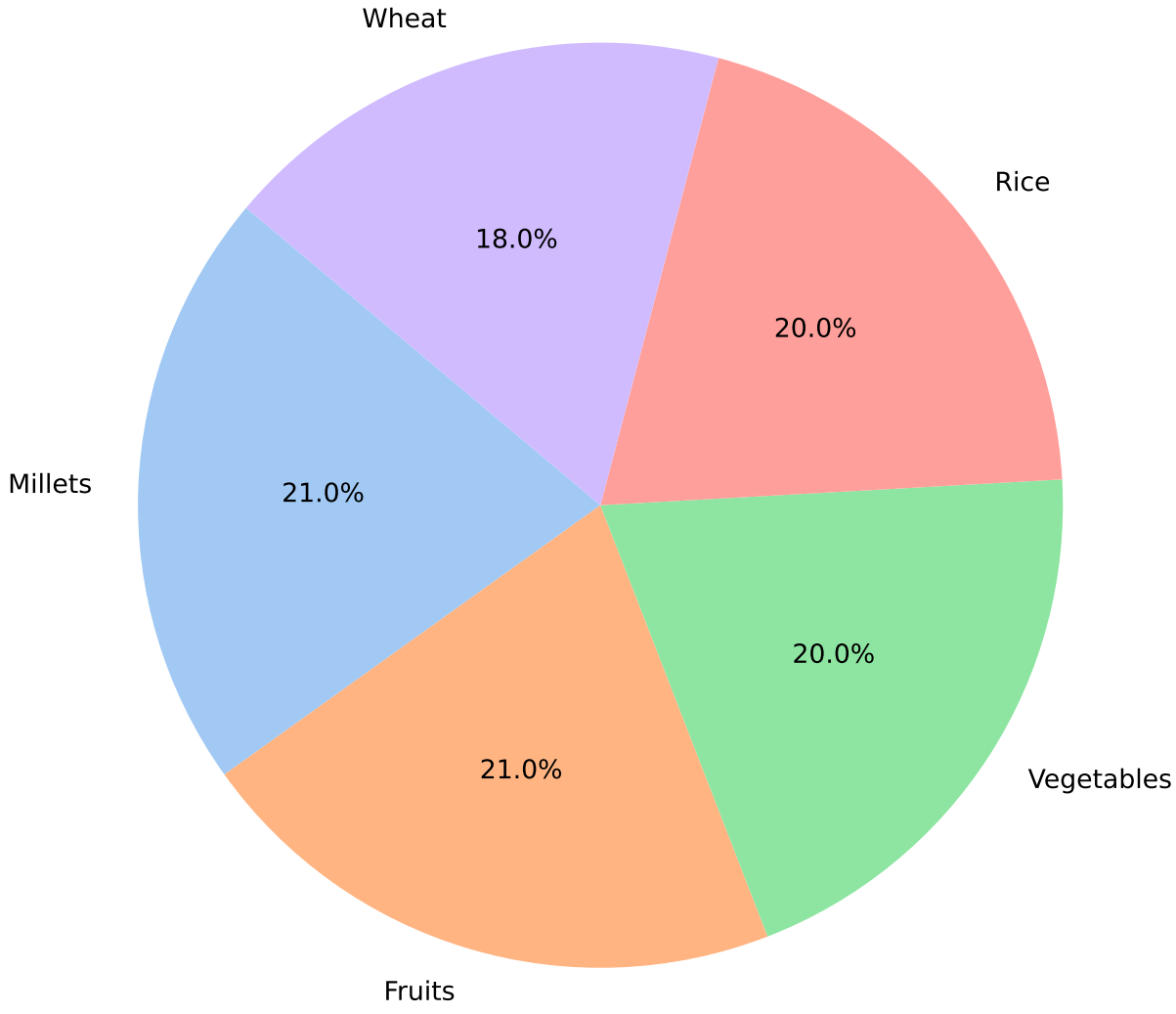
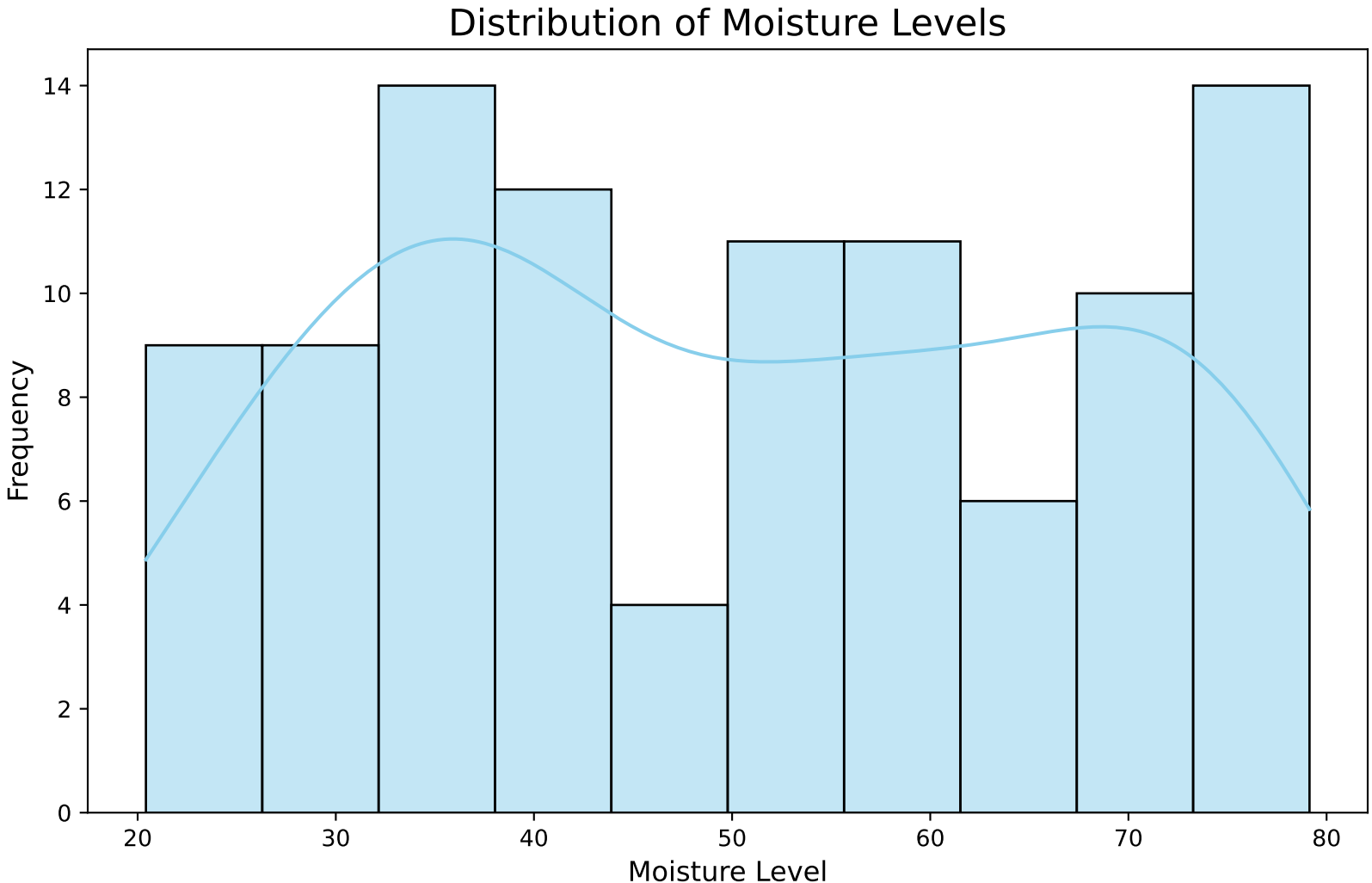
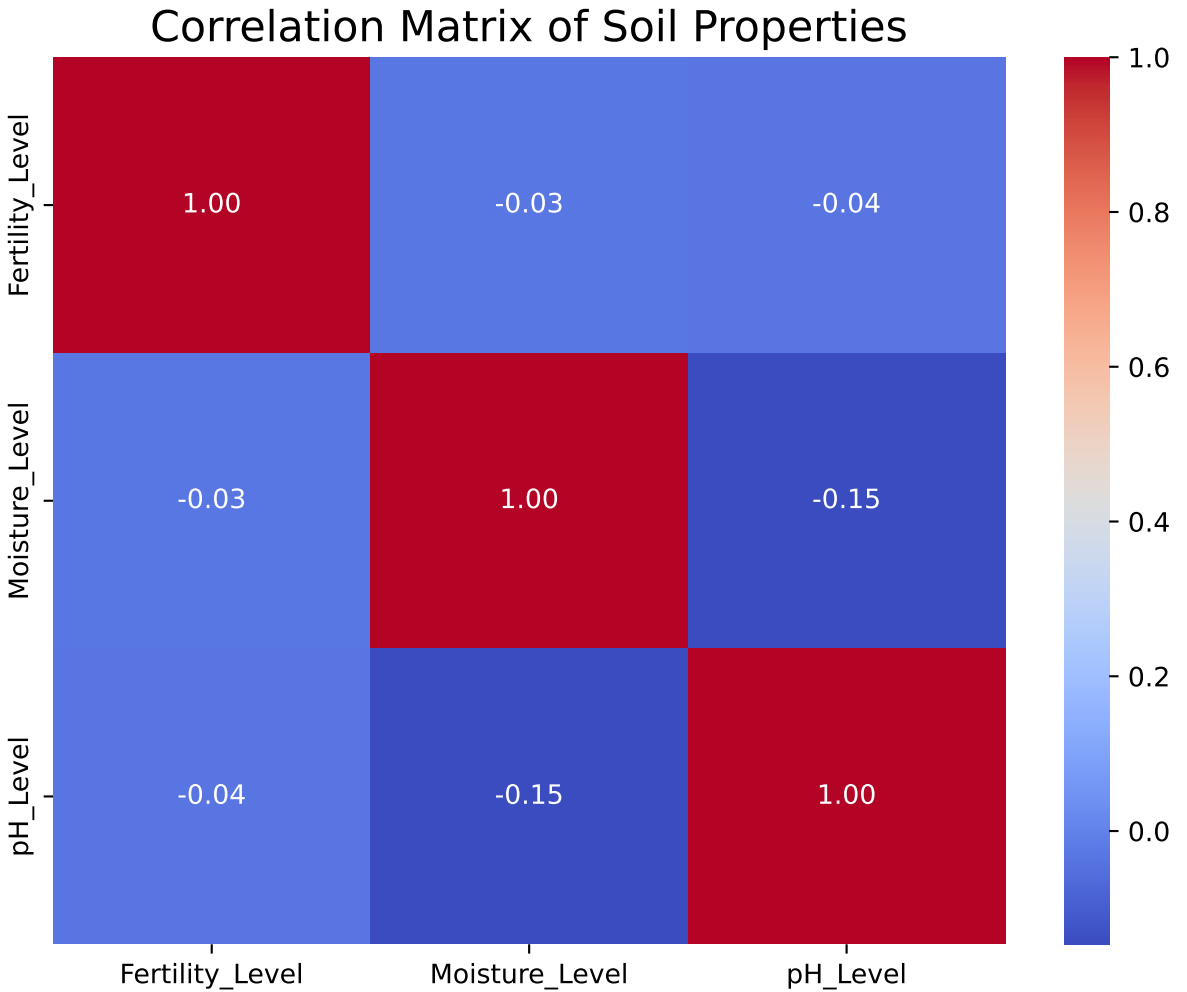

Soil Fertility Levels
Fertility Level
Soil ID
0
20
40
60
80
100


pH Level vs. Moisture Level with Crop Recommendations
Recommended Crop
Millets
Vegetables
Fruits
Rice
Wheat
Moisture Level
80
70
60
50
40
30
20
5.5
6.0
6.5
7.0
7.5
8.0
pH Level


Crop Recommendations Distribution
Wheat
18.0%
Rice
20.0%
Millets
21.0%
Vegetables
20.0%
Fruits
21.0%


Distribution of Moisture Levels
Frequency
Moisture Level
0
2
4
6
8
10
12
14
20
30
40
50
60
70
80


Correlation Matrix of Soil Properties
Fertility_Level
Moisture_Level
pH_Level
1.00
-0.03
-0.04
-0.03
1.00
-0.15
-0.04
-0.15
1.00
Fertility_Level
Moisture_Level
pH_Level
1.0
0.8
0.6
0.4
0.2
0.0

Soil Analysis Report
Generated using Python and Matplotlib