

```
// Soil Moisture Alarm - Simple

const int sensorPin = A0;

const int buzzerPin = 8;

const int ledPin = 9;

int sensorValue = 0;

// Adjust threshold after testing

int threshold = 600; // higher = drier

void setup(){

pinMode(buzzerPin, OUTPUT);

pinMode(ledPin, OUTPUT);

Serial.begin(9600);

}

void loop(){

sensorValue = analogRead(sensorPin);

Serial.print("Moisture: ");

Serial.println(sensorValue);

if (sensorValue > threshold) { // soil dry

digitalWrite(buzzerPin, HIGH);

digitalWrite(ledPin, HIGH);

} else {

digitalWrite(buzzerPin, LOW);

digitalWrite(ledPin, LOW);

}

delay(1000);

}
```