

```
// 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);
}
```