

# Greenhouse Monitoring Report

Date Range: 2024-01-01 to 2024-01-16

## Summary Statistics

### Temperature (°C):

Count: 12860.00°C

Mean: 19.86°C

Std: 7.47°C

Min: 8.00°C

25%: 13.00°C

50%: 17.00°C

75%: 28.00°C

Max: 36.00°C

### Humidity (%):

Count: 12860.00%

Mean: 33.10%

Std: 26.79%

Min: 0.00%

25%: 5.00%

50%: 37.00%

75%: 58.00%

Max: 79.00%

### NPK Levels:

N - Mean: 247.08, Std: 23.39

P - Mean: 247.91, Std: 20.96

K - Mean: 244.93, Std: 29.76

## Trends Analysis

### Temperature Trend:

Trend: increasing (slope: 0.0007)

### Humidity Trend:

Trend: decreasing (slope: -0.0005)

## Recommendations

Temperature is below optimal range. Consider heating or reducing ventilation.

Humidity is below optimal range. Consider using humidifier.