```
Attribute VB_Name = "TDepDegradation"
'This module contains routines and functions related to scaling degradation rates with
environmental temperature
Sub Read_MetTemps()
metFilePathName = [GetPRZM_Files!M2]
Sheets("GetPRZM_Files").Select
[M4].Select
i = 0
'Read the first weather date
'Check that it agrees with the first P2E date
startDateOK = False
If metFilePathName <> "" Then
    Open metFilePathName For Input As #1
    Line Input #1, currentLine
    strDate = Trim(Mid(currentLine, 1, 7))
    Close #1
    If DateSerial(Mid(strDate, 5, 2), Mid(strDate, 1, 2), Mid(strDate, 3, 2)) = DateSerial([B4],
     [C4], [D4]) Then
        startDateOK = True
    End If
End If
'If the file exists and the first date is okay
If startDateOK Then
    'Read metfile and popuate GetPRZM_Files sheet
    If metFilePathName <> "" Then
        Open metFilePathName For Input As #1
        Do Until EOF(1)
            Line Input #1, currentLine
            strDate = Trim(Mid(currentLine, 1, 7))
            strTemp = Trim(Mid(currentLine, 28, 10))
            ActiveCell.Offset(i, 0) = strTemp
            i = i + 1
        Loop
        Close #1
        [GetPRZM_Files!M3] = "temperature (C)"
    End If
Else
    [GetPRZM_Files!M3] = "Could not read temperatures. PRZM-Metfile start dates do not match.
    Temperature adjustment turned off."
    'Clear any temperature data in the column
    lastrow = Cells(Rows.Count, "M").End(xlUp).Row
    ActiveSheet.Range("M4:M" & lastrow).ClearContents
    'Toggle the temperature adjustment off
    Worksheets("AGRO").tdepdeg_checkbox.Value = False
End If
End Sub
Function getCurrentPondTemp()
    endrow = PRZMsimday
    startrow = endrow - 29
    If startrow < 4 Then
        startrow = 4
    End If
    getCurrentPondTemp = WorksheetFunction.Average(Worksheets("GetPRZM_Files").Range("M" &
    startrow & ":M" & endrow))
```

```
End Function
Function adjustReactRate(ByVal hlife As Double, ByVal Q10 As Double, ByVal pondTemp As Double)
    If hlife = 0 Then
        adjustReactRate = 0
    Else
        adjustReactRate = NatLog2 / hlife * Q10 ^ ((pondTemp - 25) / 10)
    End If
End Function
```