

Leaching Model

PAZ

23 août 2017

Introduction

This document describes how the formalisms were implemented. The source of each function is provided at the start of each chunk description.

Percolation and Ponding

Percolation and ponding are generated in *greenampt.py*. The key steps will be described after. Important to know is that the function “greenampt()”

```
def kfilm(diameter, runoffvelocity):  
    kl = 0.664 * (D_w/diameter) \  
    *reynolds(runoffvelocity, diameter)**(float(1)/2)*Sc**(float(1)/3) # mm/min  
    return kl # mm/min
```