

Differences between SWAP 3.2 (26) and SWAP 3.2 (36)

Differences between swap3.2.16 and swap3.2.26 were given in the first page of the manual:
 Kroes, J.G., J.C. van Dam, P. Groenendijk, R.F.A. Hendriks and C.M.J. Jacobs, 2009.
SWAP version 3.2(26). Theory description and user manual. Alterra-report
 1649(update 02), 284 pp, Alterra, Research Institute, Wageningen, The Netherlands.

This document summarizes differences between swap3.2.26 and swap3.2.36 in the following table:

No	Description	Input changed ?
1	FIX: Wofost-Cropgrowth-grassland: differences potential and actual growth	
2	ADD: Wofost-Cropgrowth-arable: management factor, similar to grassland	
3	ADD: For macropore-option only: input of SwDarcy (suppress Darcy unsaturated flow)	Y
4	CHG: output with 5 significant numbers in solute balances (OutSBA)	
5	FIX: in case of prescribed groundwater levels, avoid high ratio values in HeadCalc	
6	FIX: convergence problems of free outflow condition: check flux or head boundary condition each time step in stead of each iteration in Headcalc	
7	FIX: Tpot should be zero when bare soil is specified as crop in MeteoInput	
8	FIX: improvements to simulate paddy rice fields	
9	FIX: adjust Kmean if infiltration and ponding occurs	
10	FIX: improved error handling with detailed rainfall options	
11	CHG: evaporation of ponding layer improved	
12	FIX: small change in subr Penmon (tavk -> tmx,tmn); test showed minor impact.	
13	CHG: array-sizes increased of several parameters (see file param.fi)	
14	CHG: initial conditions from file (swinco=3) increased	
15	FIX: problems solved from intro of intel-compiler IVF11.1	
16	FIX: Error with Esoil solved in cases of combination of soil evaporation using Boesten/Stoosnijder (swredu=2) and initial conditions from file (swinco=3)	
17	FIX: output with adjusted vert.discr (swdiscrvert=1) argument-error with cofgen	
18	ADD: options for expert use were implemented as hidden options due to a lack of time for testing and updating of the manual. (ageing, cseep, cfet, swdivdinf, alphacrit, cropstart, ..)	