

FMI

Birch fraction map

Threshold degree days for flowering to start

Definitions/Assumptions

T_c – cut-off temperature
 D_h – Flowering period in degree days
 $prec_min$ – Min cut-off precip
 $prec_max$ – Max cut-off precip
 N_tot - Could be a field
 rh_low – Min cut-off rel.hum.
 rh_high – Max cut-off rel.hum.
 $prob_in$ – Prob. for flow to start
 $prob_out$ – Prob. for flow to stop.

(reduction of release rates for Northern Europe, can be set to 1)

Pollen_ml

EMEP model

MetFields_ml:
surface_precip [mm/hr]
 $t2_nwp$ [K]
rh2m
-ws_10m [m/s]

CellMet_ml:
Grid%wstar
Grid%t2 = $t2_nwp(i,j,1)$

H accumulated over Temperature threshold

Fra Hilde NH3