

PODS — Plant Observer & Diagnostic System | Winter Oilseed Rape | Pest Phenological Models (1)



Autumn
Pest



Cabbage stem flea beetle (*Psylliodes chrysocephala*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **U**
Autumn/Spring Pest: **A**

Spring
Pests



Cabbage stem weevil (*Ceutorhynchus pallidactylus*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **U**
Autumn/Spring Pest: **S**



Pollen beetle (*Meligethes aeneus*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **U**
Autumn/Spring Pest: **S**



Cabbage seed weevil (*Ceutorhynchus obstrictus*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **U**
Autumn/Spring Pest: **S**



Brassica pod midge (*Dasineura brassicae*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **M**
Autumn/Spring Pest: **S**



Rape stem weevil (*Ceutorhynchus napi*)
Meta/Epimorph: **M**
Uni/Bi/Multivoltine: **U**
Autumn/Spring Pest: **S**

PROCEDURE CABBAGE_SEED_WEEVIL_MIGRATION

INPUT PARAMETERS:
windSpeed_2m [m/s]
maxDailyTemp_2m [C]
meanDailyTemp_2m [C]
sunshineDuration [h]

OUTPUT PARAMETERS:
chemical treatment [-]

LOCAL PARAMETERS:
flightIndex [-]
numOfMigrationDay [day]

LET numOfMigrationDay 0

LOOP ON DAILY BASIS
BEGIN
IF (windSpeed_2m < 4.5 longer than 8h)
BEGIN

COMPUTING flightIndex

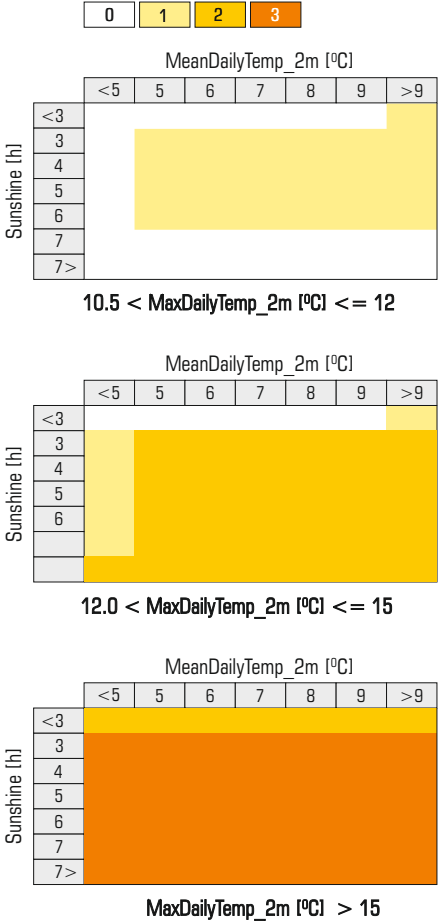
IF (flightIndex >= 2)
BEGIN
INCREMENT numOfMigrationDay
END
END

IF (numOfMigrationDay > 2 on two consecutive days)
BEGIN
//+
// Migration has began: chemical treatment
// is needed to minimize the egg-laying
//-
on 2 or 3 consecutive days
chemical treatment needed(Carbamates,
Organophosphates, or
Pyrethroids)

BREAK_FROM_LOOP
END

END
END_OF_PROCEDURE

Flight Index of Spring Pests



References

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