

## 5. PLANT PROTECTION ONLINE



**FAIRWAY partner: Rikke Krogshave Laursen (SEGES, DK)**

### Brief description

An online system to decide the need for plant protection in individual fields based on the result of field trials, individual field data and features of the active ingredients (insecticides, herbicides and fungicides).

<b>Contaminants covered (e.g. nitrate, pesticides etc.)</b>	Pesticides
<b>Intended end users (e.g. farmer, water quality manager, policy maker)</b>	Farmers and advisers
<b>Level of expertise and/or training required</b>	Skilled farmer and adviser
<b>Geographical resolution (e.g. field, catchment, national)</b>	Field
<b>Temporal resolution (e.g. daily, annual, long-term).</b>	Daily
<b>Real-time component (e.g. live weather data, soil moisture data feeds etc.)</b>	Weather data and field observations
<b>Number and type of mitigation measures included</b>	Reduction of use and ensuring that only legal pesticides are used
<b>Platform (e.g. paper-based tool, phone app, bespoke software).</b>	Bespoke software, Danish, English and German
<b>Frequency of updates</b>	Yearly
<b>Cost/availability</b>	From 180 Euro per ha.
<b>Number of users or number of copies distributed/downloaded/purchased</b>	3000
<b>Links to demo material and other relevant information (e.g. user guides).</b>	<a href="https://plantevaeronline.dlbr.dk/cp/documents/InfoFactSheet2.pdf">https://plantevaeronline.dlbr.dk/cp/documents/InfoFactSheet2.pdf</a> In Danish, English and German
<b>Additional comments</b>	

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<b>Input data required to run the DST</b>	Crop, variety, meteorological data, field observations
<b>Outputs (including links to water quality and economic or financial aspects)</b>	Recommendation on whether or not to spray, dosage and spraying time
<b>Age/provenance of supporting data used to develop the DST</b>	Yearly
<b>Country-specific calibration or data requirements (including restrictions on use)</b>	Results from annually field trials on ordinary farms. <a href="https://www.landbrugsinfo.dk/basis/d/5/2/planter_landsforsogene_oversigt_over_landsforsogene">https://www.landbrugsinfo.dk/basis/d/5/2/planter_landsforsogene_oversigt_over_landsforsogene</a> In Danish
<b>Details of validation and testing</b>	In practice via observations done by farmers and advisers
<b>Date developed/released (or planned release date)</b>	1991 as PC-Plant Protection 2006 as Plant Protection Online
<b>Author/developer names and affiliations</b>	University of Aarhus And SEGES, Digital. SEGES, Landbrug & Fødevarer F.m.b.A., Agro Food Park 15, 8200 Aarhus N, Denmark, <a href="http://www.seges.dk">www.seges.dk</a>
<b>Member state(s) where developed</b>	Denmark
<b>Member State(s) where currently used</b>	Denmark, Baltics and Poland
<b>Key publication references (including url)</b>	<a href="https://www.seges.dk/da-dk/software/plante/plantevaern-online">https://www.seges.dk/da-dk/software/plante/plantevaern-online</a> In Danish



Any other useful information (e.g. screenshots of DST input/outputs)

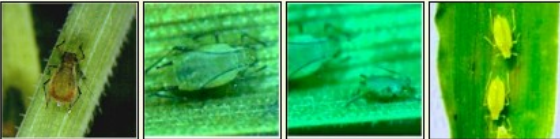
Crop Protection Online



Identification key for pests

Pests, all crops < >

Sorted by: Name v

English name	
<b>Aphids</b> <i>(Sitobion avenae / Rhopalosiphum padi)</i>	
<b>Cereal leaf beetle larva</b> <i>(Oulema melanopus)</i>	