



Product family SSC

Results

Identification of regional similarities or distinctions of

- Infestation risks and
- Agricultural site characteristics

for cultivation or trial sites for agricultural field trials of the agrochemical industry

Standard products

- Quick Check:
Assessment of the suitability of 2 sites for an SSC to be developed
- Transfer Analysis:
Identification of n sites in m countries suitable for SSCs to be developed
- Standard SSC:
Similarity assessment based on processed satellite images and additional parameters recommended by EPPO such as weather data
- Optimized Zonal Trial Planning (OZTP):
 - Identification of regional infestation risk levels for combined field trials
 - Selection, description and analyses of suitable trial sites
 - ex ante identification of substitutable pairs of sitesfor the optimization of the trial planning across countries, EPPO- or EU-zones or for the optimization of the trial infrastructure of a zonal trial program



Procedures

- Identification of crop cultivation regions
- Selection of crop specific main cropping areas
- Localisation of arable land on satellite images
- Computation of level and shape of the average biomass development
- Investigation of similarity of the biomass development in different regions
- Analyses of weather parameters in defined phenological stages
- Analyses of additional parameters like soil, irrigation, level of yield etc.
- Displaying of results in maps, graphs, tables and images
- Analyses, assessment, description and written documentation of the results
- Summary and conclusion

Types

- Identification of substitutabilities between two or more cropping sites
- Certification of similarity of cultivation or trial sites for the transfer of trial result in the context of a Biological Assessment Dossier (BAD)
- Scientifically proved identification of suitable trial sites based on the guideline *EPPO PP 1/278(1) Principles of zonal data production and evaluation*
- Scientifically traceable identification and pre-selection of substitutable pairs of sites prior to the conduction of field trials

Applications

- Bridging the lack of field trial data
- Substitution or completion of field trials
- Optimisation of the strategic planning of trial sites following the assessment of dissimilarity or the assessment of substitutability because of similarities
- Similarity assessment of sites across countries, EPPO- or EU-zones or in the northern and southern hemisphere for the reduction of field trials to one year
- Search of trial sites with similar site characteristics (1 : n)