

(Robinia pseudoacacia L. vasive alien species or potentially ecies plantation of agroforestr Pannonian ecoregion



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Summary

Nowadays the European Comission propose to regulate pseudoacaca L.) was entered to European comission more days 300 y 2020. Black locust (Robinia ed by black locust. There are ers many advantages. Due to several ecological contradiction about it, the evolved debate about the black locust, on win-win option for agriculturals, forest m because it can offer a upport System (SDSS) to plantation of black l ns, black locust can be

Material and methods

e considered the suitable areas for black locust forestation using with different soil, 000), topograpy and land-use databases in Hungary. First of all, based on literature (Führer 2003; Keresz cathegorisation system (Figure 1) which is included the optimal and liminting parameters to plantation d land-use databases in Hungary. First of all, based on literature (Führer 2003; Ke temperature is 11 ° C in Hungary, the whole area of it can be optimal for this species. Based on this categorisation system (SDSS) (Figure 2) was made in ArcGIS 10.2. In SDSS, different databases were used such as A texture), Digital Terrain Model of Hungary (relief), CORINE Land Cover (land use categories), ArcHungary (conservation are TROTOPO water, builings), DTA50 (rail lines, roads), and Natura2000 database (Natura 2000 areas).



Figure 1. Categorisation system of factors

Spatial Decision Support System (SDSS) in ArcGIS 10.2

Results and conclusion

The meaning of Biodiversity 2020, black locust is an invasive aliean species in Hungary. However invasive spread of black locust is occurred optional growing sites. Knowing the ecological requirements of these species we can be limited the invasive spread of it. Considering this parameters, black locust as the second of th black locust can be potential species inter alia in agroforestry systems. The results of our Spatial Decision Support System was created the potentional areas to plantation of black locust in Hungary (Figure 3).

References

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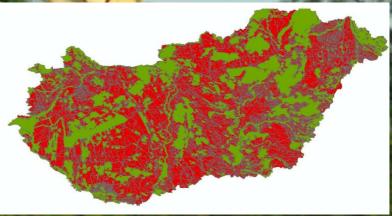


Figure 3. Potential areas (green) to plantation of black locust

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