

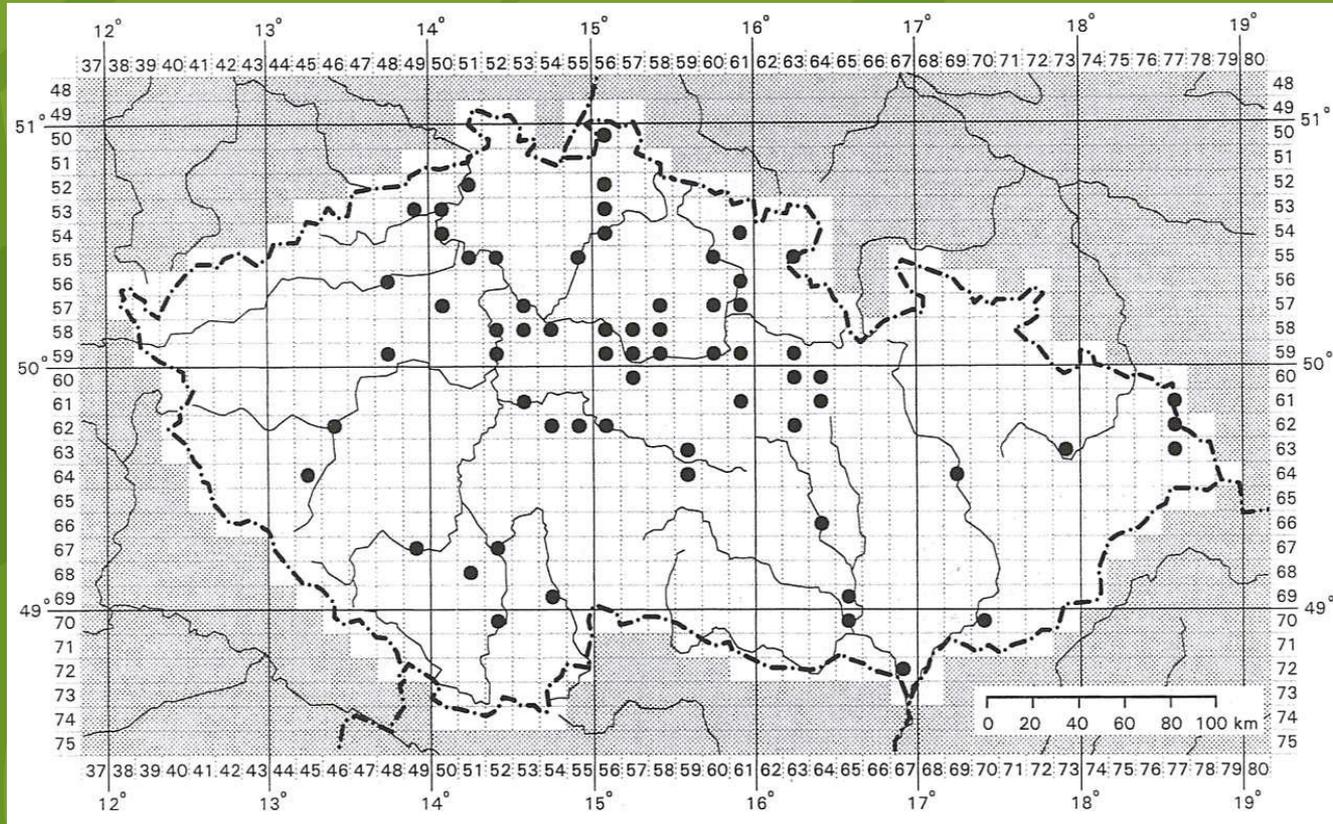
**REPRODUCTIVE TRAITS AND THERMAL
AND NUTRITIONAL SEEDLING
REQUIREMENTS OF *AMBROSIA
ARTEMISIIFOLIA* L.**

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Distribution in Czech Republic



Thermophilous species with invasive status

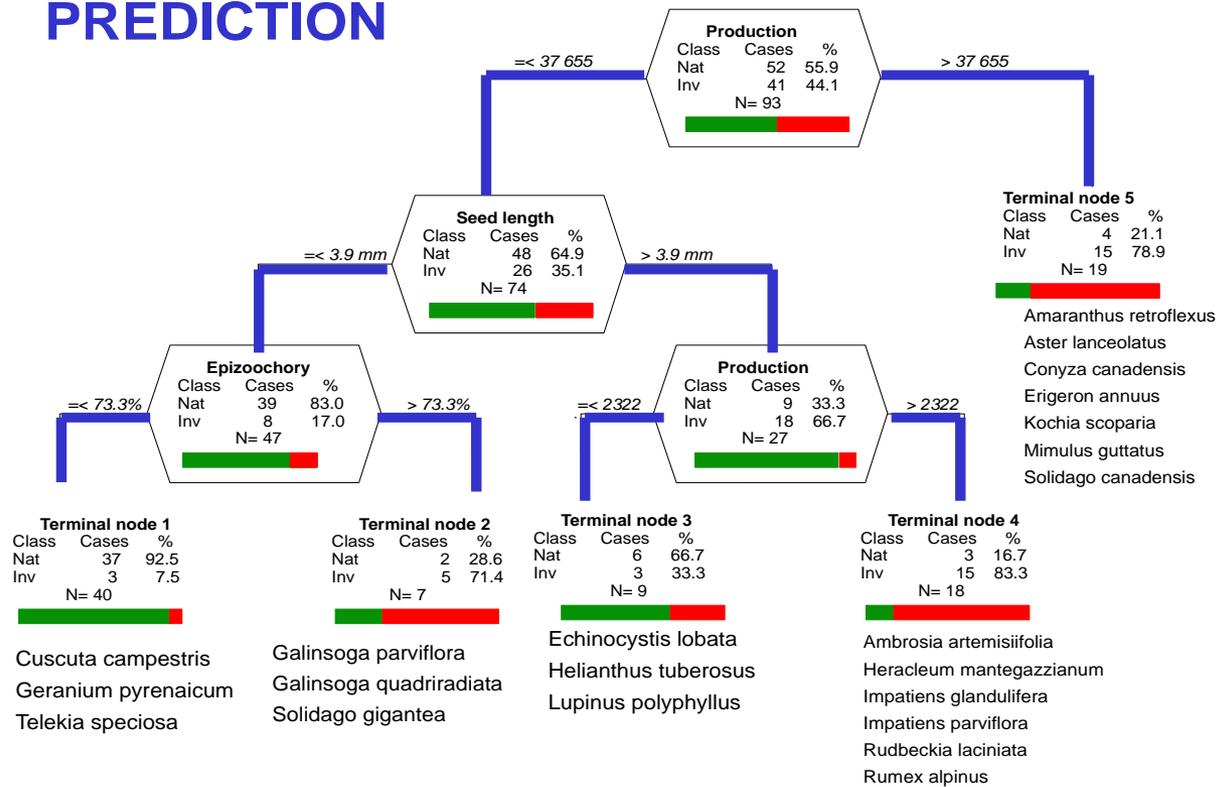
Reproductive characteristics

trait	status of invasion		
	invasive	naturalized	Ambrosia
Fecundity	7896	4458	1213
Production/m2	63463	17886	2468
Diaspore length mm	4,17	2,99	4,02
Diaspore shape	2,50	2,01	2,02
Diaspore weigth g	0,267	0,245	0,12
Buoyancy	132,14	225,48	61,33
Epizoochory %	57,48	58,40	78
Anemochory m/s	1,92	2,12	2,64
RGR	0,20	0,20	0,22
Germination max total %	88,89	83,11	89,89
Germinatio max harvest %	53,55	50,10	12,08
Dormancy physiological %	35,35	33,02	77,81
Seedling establishment total %	37,12	37,74	32,67
Seedling est. Autumn from total %	24,10	23,30	0,00

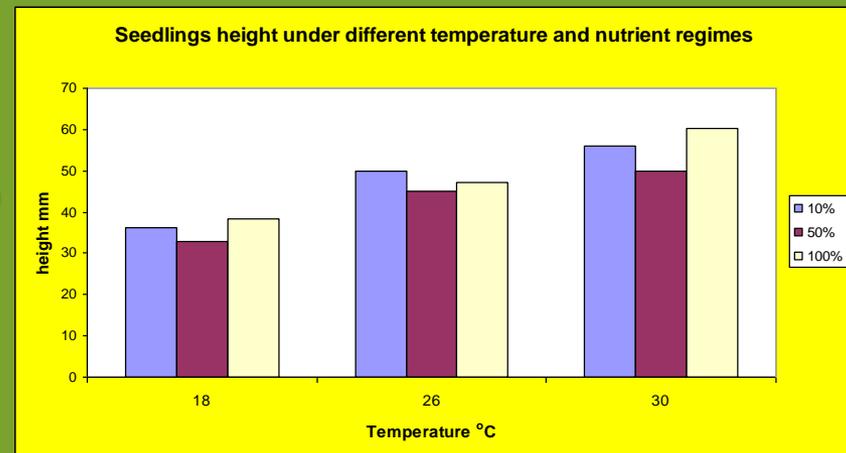
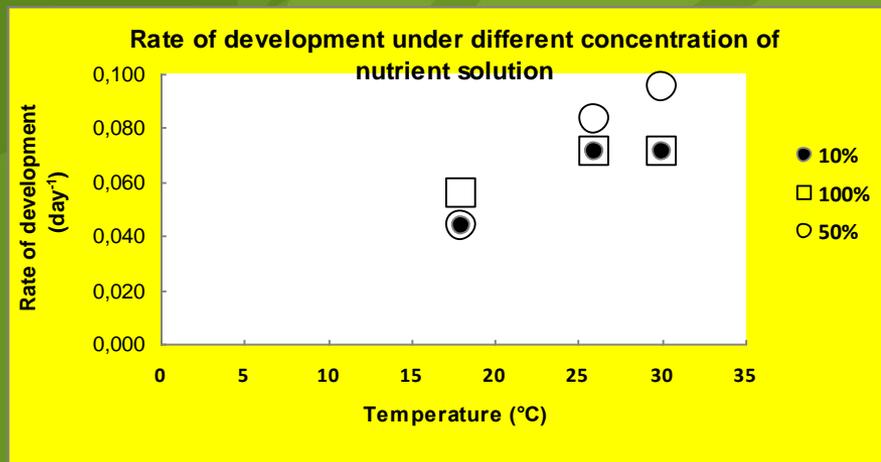
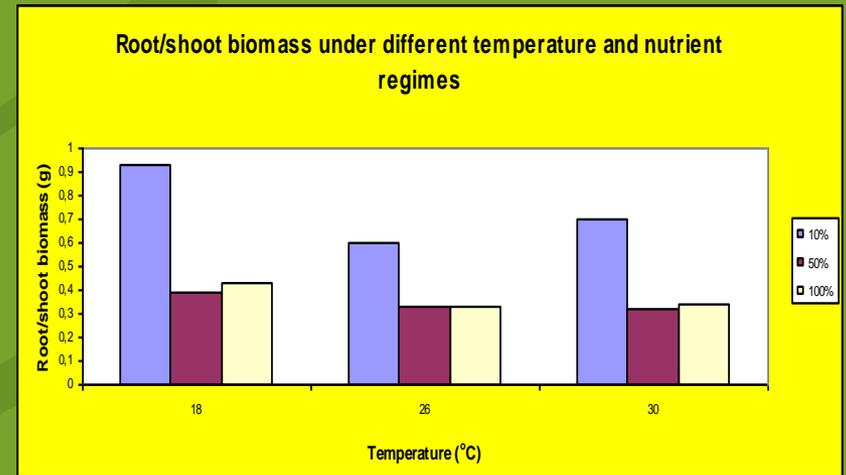
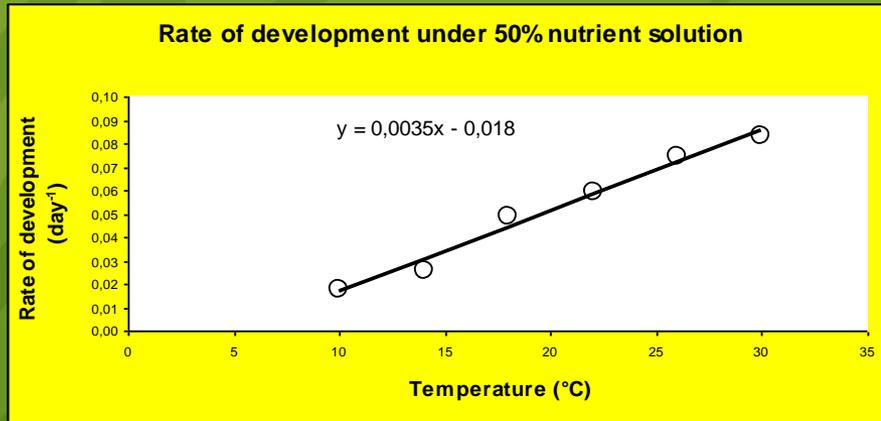
Prediction of species invasiveness

Where does *Ambrosia* stand

PREDICTION



Seedling development under different temperature and nutrient



Conclusion

Under the optimal thermal and nutrient conditions *Ambrosia* has a good potential to be invasive. Its distribution and seedling development in the Czech Republic is limited by low temperatures especially in spring months.