Ecological strategies of decorative invasive tree and shrub plant species in the city's green infrastructure

# 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 1. Degree of annual high maturation of shoots	Robinia viscosa Ulmus pumila
1. Degree of annual high maturation of shoots	.6 17
maturation of shoots	
2. Frost resistance; winter frost resistant (WH 1–6); 5a hardiness zone (from -28,8 °C to -26,1 °C)	
3. Habitus preservation high	
4. Ability to form shoots high	
5. Regularity of growth # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	6 17
high high high high high high high high	high satisfactotor y
7. Reproduction method (seeds)	badly satisfactot ory
8. Reproduction method (root shoots) Satisfactory Padly Padly	splendidly
9. Pickiness to soil conditions satisfactory (prefers well-drained soils) satisfactory	wol
10. Drought resistance drought-tolerant	
# 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 11 Wind resistance > \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6 17
	satisfactory
12. Resistance to soil good good good good	
astern North	North America Central Asia
Southeaster America Eastern Nord America Siberia and Lough Siberia and Lough South Dake South Dake South America Scotians Suth America South America	
1/1 Compatibility of the	ory
	satisfactotory
1/1 Compatibility of the	satisfactotory
14. Compatibility of the introduction environment (IE) with the natural habitat good 15. Resistance to pests of the high	satisfactotory
14. Compatibility of the introduction environment (IE) with the natural habitat 15. Resistance to pests of the IE 16. Phenotypic plasticity in the IE 17. Growth intensity in the IE 18. Compatibility of the good specific plants and serving the satisfactory satisfactory high	satisfactotory
14. Compatibility of the introduction environment (IE) with the natural habitat good 15. Resistance to pests of the IE 16. Phenotypic plasticity in the IE	satisfactotory
14. Compatibility of the introduction environment (IE) with the natural habitat good 15. Resistance to pests of the IE 16. Phenotypic plasticity in the IE 17. Growth intensity in the IE 18. Edificatory capacity in badly 19. Phenotypic plasticity in the IE 18. Edificatory capacity in badly 19. Phenotypic plasticity in the IE 19. Satisfactory	satisfactotory

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The EU Green Infrastructure Strategy aims to help stop the biodiversity loss and enable ecosystems to deliver their services to people. Natural and semi-natural areas of the Chernihiv city (Ukraine) represents the green infrastructure of an average-sized Eastern European city in the Continental biogeographical region. 93 decorative species and forms of tree and shrub plants are used for the city landscaping, 18 of them are invasive. So, there is an need to develop sustainable approaches to control the alien plants spread. For this purpose the invasive plant species ecological strategies were investigated.

According to the classification of J.P. Grime (1988, 2006), the decorative cultivated plants of invasive species belong to three categories:



































Our research confirmed the results of the previous studies that significant tolerance to the environmental gradients (temperature, soil moisture and salinity, light availability, resistance to pests), high reproductive ability, growth rate and native latitudinal range determine the ecological strategy of invasive plants.