## Several invasive plant species that threaten the ecosystems of Ukraine

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These alien (invasive) species cause significant harm to nature and humans: they completely change the landscape, displace native species, reduce biodiversity and worsen human health. The invading plants have become a part of the flora of Ukraine and are almost impossible to eradicate.

The reasons for the success of invasive species are: the absence of natural enemies and diseases, the resistance to resource deficiency, the ability to quickly populate. Let's consider a few of the most dangerous invasive plant species that behave like aggressive invaders.

<ul> <li>Ash-leaved maple, or American (Acer negundo)</li> <li>Tree of Sapindacea family is native of North America.</li> <li>The species was acclimatized at the beginning of the 20<sup>th</sup> century to create fast growing forests.</li> <li>Now it is found everywhere in Ukraine, very quickly captures new territories and destroys the biological balance.</li> <li>The crown of this tree shades and inhibits the growth of native species seedlings.</li> <li>In spring, the pollen from male trees Acer negundo begins the polynose season for people with allergies</li> </ul>	<ul> <li>Canadian goldenrod (Solidago canadensis)</li> <li>Perennial plant of Asteracea family is native of North America.</li> <li>Introduced to Europe in the 18<sup>th</sup> century.</li> <li>Shows the ability to spread uncontrollably and permanently fix in natural ecosystems, displacing local species.</li> <li>One plant produces up to 10,000 seeds. In addition, this species quickly spreads vegetatively with the help of rhizomes.</li> <li>Forms very dense thickets - 300 plants per 1 sq.m.</li> </ul>	Abrosia artemisifolia • Annual plant of Asteracea family is native of North America. • Introduced to Europe at the end of the 19 <sup>th</sup> century, •Intensively displaces and suppresses wild and cultivated grasses. • Severely impoverishes and dries up the soil. • Each bush gives 150 thousand seeds per season, which remain viable for 40 years. • The fight against ambrosia is carried out by chemical method, regular mowing and uprooting	<ul> <li>Heracleum sosnowskyi</li> <li>Perennial plants of Apiaceae family is native of the Caucasus.</li> <li>In the 1960s, it was cultivated in Ukraine for livestock feed, because it gives a large biomass.</li> <li>A very dangerous species for humans, because it causes severe chemical burns upon contact with plant parts.</li> <li>This is one of the largest grasses of the flora of Ukraine - the height reaches 4-5 m.</li> <li>Heracleum sosnowskyi intensively spreads, shading and displacing native species.</li> </ul>
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