

附录2 IUCN公布的最危险入侵物种在黄河九省区的分布情况

Appendix 2 Distribution of the most dangerous invasive species announced by IUCN in nine provinces along the Yellow River

物种 Species	分布地点 Distribution area									参考文献 Reference
	青海 Qinghai	四川 Sichuan	甘肃 Gansu	宁夏 Ningxia	内蒙古 Neimongol	山西 Shanxi	陕西 Shaanxi	河南 Henan	山东 Shandong	
红耳彩龟 <i>Trachemys scripta elegans</i>	√	√	√	√	√	√	√	√	√	刘丹等, 2011; 顾丽华, 2018
德国镜鲤 <i>Cyprinus carpio</i>	–	–	–	–	–	–	√	–	√	侯淑敏等, 2016
大口黑鲈 <i>Micropterus salmoides</i>	–	–	–	–	–	–	–	–	√	徐海根和强胜, 2017
红罗非鱼 <i>Oreochromis mossambicus × O. niloticus</i>	–	–	–	–	–	–	–	–	√	陆成伟等, 2020
虹鳟 <i>Oncorhynchus mykiss</i>	√	–	–	–	–	√	√	–	√	唐文家和何德奎, 2015
蟾胡子鲈 <i>Clarias batrachus</i>	–	–	–	–	–	–	–	–	√	徐海根和强胜, 2017
食蚊鱼 <i>Gambusia affinis</i>	√	√	√	√	√	√	√	√	√	魏洁菲, 2019
牛蛙 <i>Rana catesbiana</i>	√	√	√	√	√	√	√	√	√	周伟等, 2012
红火蚁 <i>Solenopsis invicta</i>	–	√	–	–	–	–	–	–	–	邹勤等, 2020
烟粉虱 <i>Bemisia tabaci</i>	√	√	√	√	√	√	√	√	√	杨益芬等, 2020
大米草 <i>Spartina anglica</i>	–	–	–	–	–	–	–	√	√	齐艳红等, 2004
黑荆 <i>Acacia mearnsii</i>	–	√	–	–	–	–	–	–	–	周伟佳等, 2011
荆豆 <i>Ulex europaeus</i>	√	√	√	√	√	√	√	√	√	蒲芝谷等, 1981
乳浆大戟 <i>Euphorbia Esula</i>	√	√	√	√	√	√	√	√	√	田兰婷等, 2016
银合欢 <i>Leucaena leucocephala</i>	–	√	–	–	–	–	–	√	√	李登峰等, 2020
凤眼莲 <i>Eichhornia crassipes</i>	–	√	–	–	–	–	–	√	√	秦智雅等, 2016

√ 表示入侵生物在该省份已有分布记载; – 表示入侵生物在该省份尚无分布记载。

√ indicates that this invasive species has been recorded in this province; – indicates that this invasive species has not been recorded in this province.

参考文献

Gu LH (2018) Ecological killer—Brazilian tortoise. Environment and Development, 30, 188–189. (in Chinese with English abstract) [顾丽华 (2018)

- 殷万东, 吴明可, 田宝良, 于宏伟, 王麒云, 丁建清 (2020) 生物入侵对黄河流域生态系统的影响及对策. 生物多样性, 2020, 28 (12): 1533–1545. <http://www.biodiversity-science.net/CN/10.17520/biods.2020208>
- 生态杀手——巴西龟. 环境与发展, 30, 188–189.]
- Hou SM, Li WP, Wang YC, Wen SE, Li HB, Gao Z (2016) The current situation of aquatic animals invasion of Shaanxi stretch of the Yellow River. Journal of Northwest University (Natural Science Edition), 46, 82–86. (in Chinese with English abstract) [侯淑敏, 李维平, 王益昌, 问思恩, 李海滨, 高志 (2016) 黄河陕西段水生动物入侵现状分析. 西北大学学报(自然科学版), 46, 82–86.]
- Li DF, Feng QH, Hu ZD, Xu JR (2020) Comparative study on photosynthetic physiological and chlorophyll fluorescence characteristics of *Leucaena leucocephala* in wet and dry season, Jinsha River dry-hot valley, China. Acta Ecologica Sinica, 40, 4105–4113. (in Chinese with English abstract) [李登峰, 冯秋红, 胡宗达, 徐静茹 (2020) 金沙江干热河谷新银合欢(*Leucaena leucocephala*)的光合与荧光特征干湿季对比研究. 生态学报, 40, 4105–4113.]
- Liu D, Shi HT, Liu YX, Wang JC, Gong SP, Wang J, Shen L (2011) Investigation on the distribution of red eared turtle in China. Bulletin of Biology, 46(6), 18–21. (in Chinese) [刘丹, 史海涛, 刘宇翔, 汪继超, 龚世平, 王剑, 沈兰 (2011) 红耳龟在我国分布现状的调查. 生物学通报, 46(6), 18–21.]
- Lu CW (2014) Effects of Environmental Factors on the Growth of Red Tilapia and Sex Determination. Master's dissertation, Fuzhou University, Fuzhou. (in Chinese with English abstract) [陆成伟 (2014) 环境因子对红罗非鱼生长及性别决定的影响研究. 硕士学位论文, 福州大学, 福州.]
- Pu ZG, Jiang XW, Jia KK, Xie QT (1981) Preliminary test on the content of H-resistant substance in seeds and leaves of *Vitex negundo*. Forensic Science and Technology, 6, 12–14. (in Chinese) [蒲芝谷, 蒋心文, 贾康康, 谢其天 (1981) 对我省荆豆种子和叶子含抗H物质的初步试验. 刑事技术, 6, 12–14.]
- Qi YH, Zhao YH, Yin XQ (2004) Ecological distribution of biological invasion in China. Ecology and Environmental Sciences, 13, 414–416. (in Chinese with English abstract) [齐艳红, 赵映慧, 殷秀琴 (2004) 中国生物入侵的生态分布. 生态环境, 13, 414–416.]
- Qin ZY, Tao JY, Hu C, Ruan AD (2016) Distribution, influence and control measures of *Eichhornia crassipes* in China. Journal of Anhui Agricultural Sciences, 44, 81–84. (in Chinese with English abstract) [秦智雅, 陶景怡, 胡辰, 阮爱东 (2016) 我国水域水葫芦的分布·影响·防治措施. 安徽农业科学, 44, 81–84.]
- Tang WJ, He DK (2015) Investigation on alien fishes in Qinghai Province, China (2001–2014). Journal of Lake Sciences, 27, 502–510. (in Chinese with English abstract) [唐文家, 何德奎 (2015) 青海省外来鱼类调查(2001–2014年). 湖泊科学, 27, 502–510.]
- Tian LT, Zhao XY, Wang NG, Li W, Peng Y, Cai X (2016) FTIR spectra and their taxonomic significance of nine *Euphorbia* species in Shaanxi. Bulletin of Botanical Research, 36, 310–315. (in Chinese with English abstract) [田兰婷, 赵雪艳, 王宁果, 李伟, 彭勇, 蔡霞 (2016) 陕西9种大戟属植物红外光谱分析及其分类学意义. 植物研究, 36, 310–315.]
- Wei JF (2019) Morphological Characteristics Affect Individual Mate Choice Decisions in Female and Male Western Mosquito Fish (*Gambusia affinis*). Master's dissertation, Northwest A & F University, Xi'an. (in Chinese with English abstract) [魏洁菲 (2019) 形态特征对雌雄两性西部食蚊鱼配偶选择决策的影响. 硕士学位论文, 西北农林科技大学, 西安.]

殷万东, 吴明可, 田宝良, 于宏伟, 王麒云, 丁建清 (2020) 生物入侵对黄河流域生态系统的影响及对策. 生物多样性, 2020, 28 (12): 1533–1545. <http://www.biodiversity-science.net/CN/10.17520/biods.2020208>

Xu HG, Qiang S (2017) China Invasive Alien Species. Science Press, Beijing. (in Chinese) [徐海根, 强胜 (2017) 中国外来入侵生物. 科学出版社, 北京.]

Yang YF, Yan FF, Zhang RP, Huang Y, Shen XX, Li MY (2020) Progresses in the biology, forecast and management technology of *Bemisia tabaci*. Anhui Agricultural Science Bulletin, 26, 101–103. (in Chinese with English abstract) [杨益芬, 闫芳芳, 张瑞平, 黄岩, 沈祥祥, 李茂业 (2020) 烟粉虱的生物学特性、测报及防控技术研究进展. 安徽农学通报, 26, 101–103.]

Zhou W, Zhao H, Yang X (2012) Prediction of potential geographic distribution areas for *Rana catesbiana* and *Mikania micrantha* in China using GARP Modeling System. Journal of Southwest Forestry University, 32(1), 51–55. (in Chinese with English abstract) [周伟, 赵衡, 杨熙 (2012) 利用GARP生态位模型预测牛蛙和薇甘菊在中国的地理分布. 西南林业大学学报, 32(1), 51–55.]

Zhou WJ, Wu YY, Zheng SS, Zheng QQ, Li Q, Ding BY (2011) Allelopathic effect of *Acacia mearnsii* on the seed germination of several plants. Bulletin of Botanical Research, 31, 235–240. (in Chinese with English abstract) [周伟佳, 吴颖胤, 郑思思, 郑倩倩, 李琼, 丁炳扬 (2011) 黑荆(*Acacia mearnsii*)对几种林下植物种子萌发的化感作用. 植物研究, 31, 235–240.]

Zou Q, Xiao M, Jiang X, Hong J, Chen KL, Chen X, Cao YQ (2020) Dynamics of imported red fire ant *Solenopsis invicta* in Xichang of Sichuan Province. Journal of Xichang University (Natural Science Edition), 34, 54–56. (in Chinese with English abstract) [邹勤, 肖蒙, 蒋鑫, 洪杰, 陈开兰, 陈旭, 曹艳秋 (2020) 四川西昌红火蚁消长规律. 西昌学院学报 (自然科学版), 34, 54–56.]